Name	OJ991120_31.0103.C6.o1.gp	Method	AAT/GAP
Start	2428	End	5876
GI	14297_1.R1084	Score	1509
Exons	2428..2834, 3206..3378, 3470..3550, 3742..3795, 5742..5876		
GI Descrip.	'2618602/dbj|AB008268.1|AB008268 1.0e-15 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MSJ1, complete sequence'		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	2634	End	3552
GI	none	Score	36
Exons	2634..2696, 2742..2837, 2746..2829, 2763..2834, 3206..3241, 3207..3242, 3269..3376, 3270..3320, 3271..3381, 3284..3388, 3466..3552, 3468..3551		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o2.gs	Method	GENSCAN
Start	2745	End	10204
GI	none	Score	.55
Exons	2745..2834, 3206..3378, 3470..3550, 3742..3795, 5551..5712, 5742..5791, 5961..6212, 6669..7106, 7189..7247, 7384..7499, 7576..7659, 7864..8011, 8145..8290, 8797..8916, 9087..9185, 9974..10015, 10102..10204		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	2748	End	10465
GI	none	Score	112
Exons	2748..2837, 2763..2834, 3206..3241, 3207..3293, 3208..3231, 3232..3378, 3252..3320, 3284..3388, 3360..3389, 3472..3522, 3744..3785, 10409..10465		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	2763	End	3545
GI	none	Score	139
Exons	2763..2834, 3206..3241, 3270..3320, 3284..3388, 3285..3380, 3363..3401, 3466..3525, 3468..3545		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o1.np	Method	AAT/NAP
Start	2901	End	8891
GI	3023956	Score	240
Exons	2901..2915, 6675..6906, 7027..7106, 7189..7247, 7384..7488, 7574..7659, 7864..8011, 8145..8290, 8797..8891		
GI Descrip.	VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1 gi|607003 (L28125) beta transducin-like protein [Podospora anserina]		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	6584	End	10173
GI	none	Score	270
Exons	6584..6907, 6647..6892, 6660..6893, 6683..6859, 7009..7101, 7014..7115, 7016..7114, 7185..7250, 7189..7248, 7197..7250, 7342..7500, 7379..7504, 7382..7501, 7574..7663, 7575..7664, 7576..7671, 7842..8012, 7862..8011, 8129..8281, 8145..8303, 8145..8288, 8146..8295, 8157..8291, 8199..8294, 8795..8917, 8796..8918, 8802..8918, 10102..10173		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	6584	End	8291
GI	none	Score	54
Exons	6584..6889, 7426..7500, 7448..7501, 7574..7663, 7575..7664, 7846..7965, 7851..8012, 7853..8014, 7862..8011, 8190..8291		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	6683	End	8291
GI	none	Score	85
Exons	6683..6889, 6737..6856, 7421..7501, 7423..7500, 7574..7663, 7575..7664, 7579..7665, 7842..8012, 7844..8017, 7862..8011, 8146..8163, 8157..8291, 8160..8204, 8163..8204		

Seq. No.	8565	Seq. ID	OJ991120_31.0103.C6
Gene No.	18232	Strand	-
Start	2745	End	10465
Name	OJ991120_31.0103.C6.o3.gp	Method	AAT/GAP
Start	7968	End	10131
GI	LIB3431-027-P1-K1-A11	Score	729
Exons	7968..8011, 8145..8290, 8797..8916, 9138..9185, 9974..10015, 10102..10131		
GI Descrip.	'4557229/ref|NP_001078.1|pAAMP| 4.0e-18 angio-associated, migratory cell protein >gi_3121739_sp_Q13685_AAMP_HUMAN ANGIO-ASSOCIATED MIGRATORY CELL PROTEIN >gi_2134759_pir__I39383 angio-associated migratory cell protein - human >gi_870803 (M95627) angio-associated migratory cell protein [Homo sapiens]'		

Seq. No.	8566	Seq. ID	OJ991120_31.0103.C7
Gene No.	18233	Strand	+
Start	510	End	6368
Name	OJ991120_31.0103.C7.o1.gs	Method	GENSCAN
Start	510	End	6368
GI	none	Score	.81
Exons	510..661, 820..2647, 3983..4110, 4438..4551, 4772..4971, 5014..5315, 5429..5639, 5733..5888, 6006..6163, 6248..6368		

Seq. No.	8566	Seq. ID	OJ991120_31.0103.C7

Gene No.	18233	Strand	+
Start	510	End	6368
Name	OJ991120_31.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	2531	End	2836
GI	none	Score	156
Exons	2531..2635, 2532..2636, 2533..2652, 2636..2776, 2638..2835, 2650..2787, 2655..2834, 2675..2836		

Seq. No.	8567	Seq. ID	OJ991120_31.0103.C8
Gene No.	18234	Strand	+
Start	90	End	375
Name	OJ991120_31.0103.C8.o1.gp	Method	AAT/GAP
Start	90	End	375
GI	2312053	Score	476
Exons	90..375		

Seq. No.	8568	Seq. ID	OJ991120_31.0103.C9
Gene No.	18235	Strand	+
Start	55	End	4591
Name	OJ991120_31.0103.C9.o1.gs	Method	GENSCAN
Start	55	End	4591
GI	none	Score	.75
Exons	55..196, 627..692, 784..923, 1689..1815, 2499..2647, 3053..3188, 3540..3624, 3738..4009, 4151..4296, 4522..4591		

Seq. No.	8568	Seq. ID	OJ991120_31.0103.C9
Gene No.	18235	Strand	+
Start	55	End	4591
Name	OJ991120_31.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	621	End	930
GI	none	Score	61
Exons	621..692, 632..706, 632..694, 764..925, 768..926, 781..930, 783..926		

Seq. No.	8568	Seq. ID	OJ991120_31.0103.C9
Gene No.	18235	Strand	+
Start	55	End	4591
Name	OJ991120_31.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	3711	End	4021
GI	none	Score	86
Exons	3711..3842, 3736..3858, 3737..3871, 3856..4008, 3862..3927, 3866..4021		

Seq. No.	8569	Seq. ID	OJ991120_31.0103.C10
Gene No.	18236	Strand	+
Start	615	End	8394
Name	OJ991120_31.0103.C10.o1.gs	Method	GENSCAN
Start	615	End	7430
GI	none	Score	.61
Exons	615..911, 2095..2231, 3356..3461, 4143..4369, 4949..5073, 5872..6206, 6277..6399, 7365..7430		

Seq. No.	8569	Seq. ID	OJ991120_31.0103.C10
Gene No.	18236	Strand	+
Start	615	End	8394
Name	OJ991120_31.0103.C10.o1.np	Method	AAT/NAP
Start	836	End	5300

GI	5051789	Score	214
Exons	836..911, 1924..2014, 2103..2231, 3143..3250, 3356..3483, 5263..5300		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	8569	Seq. ID	OJ991120_31.0103.C10
Gene No.	18236	Strand	+
Start	615	End	8394
Name	OJ991120_31.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	873	End	3233
GI	none	Score	71
Exons	873..914, 1916..2026, 1921..2010, 2083..2232, 2094..2153, 2119..2232, 3137..3223, 3140..3232, 3159..3233		

Seq. No.	8569	Seq. ID	OJ991120_31.0103.C10
Gene No.	18236	Strand	+
Start	615	End	8394
Name	OJ991120_31.0103.C10.o1.gp	Method	AAT/GAP
Start	2151	End	4724
GI	23385_1.R1084	Score	1310
Exons	2151..2231, 3143..3262, 3356..3461, 4143..4202, 4281..4369, 4445..4724		
GI Descrip.	'5051789/emb|CAB45082.1| 1.0e-25 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	8569	Seq. ID	OJ991120_31.0103.C10
Gene No.	18236	Strand	+
Start	615	End	8394
Name	OJ991120_31.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	3235	End	4764
GI	none	Score	196
Exons	3235..3264, 3353..3454, 3357..3461, 3360..3470, 4132..4194, 4141..4203, 4142..4207, 4142..4219, 4465..4503, 4614..4661, 4702..4764		

Seq. No.	8569	Seq. ID	OJ991120_31.0103.C10
Gene No.	18236	Strand	+
Start	615	End	8394
Name	OJ991120_31.0103.C10.o2.np	Method	AAT/NAP
Start	6253	End	8394
GI	6630729	Score	246
Exons	6253..6399, 7767..8007, 8348..8394		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		

Seq. No.	8569	Seq. ID	OJ991120_31.0103.C10
Gene No.	18236	Strand	+
Start	615	End	8394
Name	OJ991120_31.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	6280	End	8003
GI	none	Score	115
Exons	6280..6399, 7764..8003		

Seq. No.	8570	Seq. ID	OJ991120_31.0103.C11
Gene No.	18237	Strand	
Start	479	End	773
Name	OJ991120_31.0103.C11.o1.tw	Method	TBLASTX:Wheat
Start	479	End	773

GI	none	Score	56
Exons	479..577, 528..590, 528..602, 659..772, 664..771, 669..773		

Seq. No.	8571	Seq. ID	OJ991120_31.0103.C13
Gene No.	18238	Strand	-
Start	12	End	575
Name	OJ991120_31.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	573
GI	none	Score	105
Exons	1..78, 2..73, 3..74, 3..98, 69..335, 74..340, 75..338, 101..346, 409..567, 410..544, 414..566, 415..573		

Seq. No.	8571	Seq. ID	OJ991120_31.0103.C13
Gene No.	18238	Strand	-
Start	12	End	575
Name	OJ991120_31.0103.C13.o1.gs	Method	GENSCAN
Start	12	End	575
GI	none	Score	.87
Exons	12..336, 413..575		

Seq. No.	8572	Seq. ID	OJ991120_31.0103.C15
Gene No.	18239	Strand	+
Start	1	End	604
Name	OJ991120_31.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	604
GI	2498930	Score	44
Exons	1..39, 436..604		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8572	Seq. ID	OJ991120_31.0103.C15
Gene No.	18239	Strand	+
Start	1	End	604
Name	OJ991120_31.0103.C15.o1.gs	Method	GENSCAN
Start	444	End	503
GI	none	Score	.94
Exons	444..503		

Seq. No.	8573	Seq. ID	OJ991120_31.0103.C16
Gene No.	18240	Strand	-
Start	1	End	92
Name	OJ991120_31.0103.C16.o1.gp	Method	AAT/GAP
Start	1	End	92
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	1..92		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8574	Seq. ID	OJ991120_31.0103.C17
Gene No.	18241	Strand	-
Start	1	End	175
Name	OJ991120_31.0103.C17.o1.np	Method	AAT/NAP
Start	1	End	175
GI	4249385	Score	170
Exons	1..175		
GI Descrip.	(AC005966) T2K10.11 [Arabidopsis thaliana]		

Seq. No.	8574	Seq. ID	OJ991120_31.0103.C17
Gene No.	18241	Strand	-
Start	1	End	175
Name	OJ991120_31.0103.C17.o1.gs	Method	GENSCAN
Start	40	End	175
GI	none	Score	.69
Exons	40..175		

Seq. No.	8575	Seq. ID	OJ991120_35.0127.C2
Gene No.	18242	Strand	-
Start	1	End	652
Name	OJ991120_35.0127.C2.o1.np	Method	AAT/NAP
Start	1	End	540
GI	421843	Score	254
Exons	1..540		
GI Descrip.	protein kinase (EC 2.7.1.37) 5 - Arabidopsis thaliana gi|217861|dbj|BAA01715| (D10909) serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	8575	Seq. ID	OJ991120_35.0127.C2
Gene No.	18242	Strand	-
Start	1	End	652
Name	OJ991120_35.0127.C2.o1.tc	Method	TBLASTX:Cress
Start	2	End	205
GI	none	Score	178
Exons	2..205		

Seq. No.	8575	Seq. ID	OJ991120_35.0127.C2
Gene No.	18242	Strand	-
Start	1	End	652
Name	OJ991120_35.0127.C2.o1.ts	Method	TBLASTX:Soybean
Start	2	End	205
GI	none	Score	56
Exons	2..205, 3..47		

Seq. No.	8575	Seq. ID	OJ991120_35.0127.C2
Gene No.	18242	Strand	-
Start	1	End	652
Name	OJ991120_35.0127.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	652
GI	none	Score	87
Exons	2..322, 3..50, 8..226, 210..278, 351..452, 352..492, 536..652		

Seq. No.	8575	Seq. ID	OJ991120_35.0127.C2
Gene No.	18242	Strand	-
Start	1	End	652
Name	OJ991120_35.0127.C2.o1.gs	Method	GENSCAN
Start	24	End	502
GI	none	Score	.81
Exons	24..502		

Seq. No.	8576	Seq. ID	OJ991120_35.0127.C3
Gene No.	18243	Strand	+
Start	5828	End	7947
Name	OJ991120_35.0127.C3.o1.gs	Method	GENSCAN
Start	5828	End	7943

GI	none	Score	.51
Exons	5828..5921, 6149..6672, 6738..6793, 7352..7526, 7866..7943		

Seq. No.	8576	Seq. ID	OJ991120_35.0127.C3
Gene No.	18243	Strand	+
Start	5828	End	7947
Name	OJ991120_35.0127.C3.o2.np	Method	AAT/NAP
Start	6377	End	7947
GI	4587616	Score	314
Exons	6377..6672, 7339..7526, 7866..7947		
GI Descrip.	(AC006951) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8576	Seq. ID	OJ991120_35.0127.C3
Gene No.	18244	Strand	-
Start	2569	End	2653
Name	OJ991120_35.0127.C3.o1.np	Method	AAT/NAP
Start	2569	End	2653
GI	6721547	Score	68
Exons	2569..2653		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	8576	Seq. ID	OJ991120_35.0127.C3
Gene No.	18245	Strand	-
Start	9033	End	9154
Name	OJ991120_35.0127.C3.o1.tm	Method	TBLASTX:Maize
Start	6499	End	7497
GI	none	Score	63
Exons	6499..6564, 6503..6544, 6565..6672, 6567..6674, 7339..7377, 7357..7497, 7377..7496		

Seq. No.	8576	Seq. ID	OJ991120_35.0127.C3
Gene No.	18245	Strand	-
Start	9033	End	9154
Name	OJ991120_35.0127.C3.o2.gs	Method	GENSCAN
Start	9033	End	9154
GI	none	Score	.75
Exons	9033..9154		

Seq. No.	8577	Seq. ID	OJ991120_35.0127.C4
Gene No.	18246	Strand	-
Start	611	End	668
Name	OJ991120_35.0127.C4.o1.gs	Method	GENSCAN
Start	611	End	668
GI	none	Score	.79
Exons	611..668		

Seq. No.	8578	Seq. ID	OJ991120_35.0127.C5
Gene No.	18247	Strand	+
Start	74	End	245
Name	OJ991120_35.0127.C5.o1.gp	Method	AAT/GAP
Start	74	End	245
GI	LIB3431-028-P1-N1-A10	Score	234
Exons	74..136, 164..245		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	8578	Seq. ID	OJ991120_35.0127.C5

Gene No.	18248	Strand	-
Start	109	End	201
Name	OJ991120_35.0127.C5.o1.gs	Method	GENSCAN
Start	109	End	201
GI	none	Score	.55
Exons	109..201		

Seq. No.	8579	Seq. ID	OJ991120_35.0127.C6
Gene No.	18249	Strand	+
Start	65	End	124
Name	OJ991120_35.0127.C6.o1.gs	Method	GENSCAN
Start	65	End	124
GI	none	Score	.7
Exons	65..124		

Seq. No.	8580	Seq. ID	OJ991120_35.0127.C8
Gene No.	18250	Strand	
Start	1504	End	2253
Name	OJ991120_35.0127.C8.o1.tm	Method	TBLASTX:Maize
Start	1504	End	2253
GI	none	Score	65
Exons	1504..1557, 1506..1556, 1686..1742, 1689..1742, 1690..1743, 2020..2253, 2139..2243		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18251	Strand	+
Start	706	End	1594
Name	OJ991120_35.0127.C9.o1.gp	Method	AAT/GAP
Start	706	End	1594
GI	84856_1.R1084	Score	1365
Exons	706..970, 1107..1594		
GI Descrip.	'1732515 2.0e-14 (U62744) myosin heavy chain-like protein [Arabidopsis thaliana]'		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18251	Strand	+
Start	706	End	1594
Name	OJ991120_35.0127.C9.o1.gs	Method	GENSCAN
Start	749	End	1256
GI	none	Score	.97
Exons	749..970, 1107..1256		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18252	Strand	+
Start	6008	End	12387
Name	OJ991120_35.0127.C9.o2.np	Method	AAT/NAP
Start	6008	End	12387
GI	6907106	Score	418
Exons	6008..6147, 11480..11764, 11988..12387		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18252	Strand	+
Start	6008	End	12387
Name	OJ991120_35.0127.C9.o3.gs	Method	GENSCAN
Start	10155	End	10916

GI	none	Score	.96
Exons	10155..10916		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18253	Strand	+
Start	12556	End	12896
Name	OJ991120_35.0127.C9.o3.gp	Method	AAT/GAP
Start	12556	End	12896
GI	15591_1.R1084	Score	355
Exons	12556..12584, 12658..12896		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18254	Strand	-
Start	2164	End	4616
Name	OJ991120_35.0127.C9.o2.gp	Method	AAT/GAP
Start	2164	End	4616
GI	none	Score	936
Exons	2164..2530, 4445..4616		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18255	Strand	-
Start	4722	End	6453
Name	OJ991120_35.0127.C9.o3.tm	Method	TBLASTX:Maize
Start	802	End	1279
GI	none	Score	220
Exons	802..975, 803..970, 846..983, 1106..1252, 1107..1256, 1120..1269, 1133..1279		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18255	Strand	-
Start	4722	End	6453
Name	OJ991120_35.0127.C9.o1.np	Method	AAT/NAP
Start	4722	End	6453
GI	4850402	Score	594
Exons	4722..6453		
GI Descrip.	(AC007357) Contains similarity to gb|Y12424 SGRP-1 protein frm Solanum commersonii and contains a PF|00076 RNA rocognition motif. [Arabidopsis thaliana]		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18255	Strand	-
Start	4722	End	6453
Name	OJ991120_35.0127.C9.o1.tm	Method	TBLASTX:Maize
Start	4880	End	5189
GI	none	Score	48
Exons	4880..4924, 4881..4934, 4889..5113, 4908..5102, 5001..5129, 5136..5189, 5139..5189		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18255	Strand	-
Start	4722	End	6453
Name	OJ991120_35.0127.C9.o1.ts	Method	TBLASTX:Soybean
Start	5595	End	5846
GI	none	Score	211
Exons	5595..5846, 5617..5814		

Seq. No.	8581	Seq. ID	OJ991120_35.0127.C9
Gene No.	18256	Strand	
Start	11980	End	12288
Name	OJ991120_35.0127.C9.o2.tm	Method	TBLASTX:Maize
Start	11980	End	12288
GI	none	Score	34
Exons	11980..12018, 11981..12019, 11993..12139, 12023..12139, 12055..12141, 12071..12118, 12122..12169, 12122..12148, 12158..12256, 12159..12257, 12171..12257, 12259..12288, 12265..12288		

Seq. No.	8582	Seq. ID	OJ991120_35.0127.C10
Gene No.	18257	Strand	+
Start	3238	End	5899
Name	OJ991120_35.0127.C10.o1.np	Method	AAT/NAP
Start	3238	End	5899
GI	4586249	Score	311
Exons	3238..3269, 4782..5288, 5322..5437, 5837..5899		
GI Descrip.	(AL049640) putative pollen surface protein [Arabidopsis thaliana]		

Seq. No.	8582	Seq. ID	OJ991120_35.0127.C10
Gene No.	18257	Strand	+
Start	3238	End	5899
Name	OJ991120_35.0127.C10.o2.gs	Method	GENSCAN
Start	4681	End	5502
GI	none	Score	1
Exons	4681..5502		

Seq. No.	8582	Seq. ID	OJ991120_35.0127.C10
Gene No.	18258	Strand	-
Start	6761	End	7391
Name	OJ991120_35.0127.C10.o1.tc	Method	TBLASTX:Cress
Start	4816	End	5154
GI	none	Score	221
Exons	4816..5040, 4842..5039, 4960..5103, 5010..5102, 5097..5153, 5098..5154		

Seq. No.	8582	Seq. ID	OJ991120_35.0127.C10
Gene No.	18258	Strand	-
Start	6761	End	7391
Name	OJ991120_35.0127.C10.o1.ts	Method	TBLASTX:Soybean
Start	4816	End	5259
GI	none	Score	328
Exons	4816..5103, 4821..5102, 5035..5154, 5097..5153, 5173..5259		

Seq. No.	8582	Seq. ID	OJ991120_35.0127.C10
Gene No.	18258	Strand	-
Start	6761	End	7391
Name	OJ991120_35.0127.C10.o1.tm	Method	TBLASTX:Maize
Start	4816	End	5259
GI	none	Score	246
Exons	4816..5103, 4848..5105, 5110..5259		

Seq. No.	8582	Seq. ID	OJ991120_35.0127.C10
Gene No.	18258	Strand	-

Start	6761	End	7391
Name	OJ991120_35.0127.C10.o3.gs	Method	GENSCAN
Start	6761	End	7391
GI	none	Score	.94
Exons	6761..6855, 7229..7391		

Seq. No.	8583	Seq. ID	OJ991120_35.0127.C11
Gene No.	18259	Strand	-
Start	402	End	1641
Name	OJ991120_35.0127.C11.o1.gs	Method	GENSCAN
Start	402	End	857
GI	none	Score	.69
Exons	402..857		

Seq. No.	8583	Seq. ID	OJ991120_35.0127.C11
Gene No.	18259	Strand	-
Start	402	End	1641
Name	OJ991120_35.0127.C11.o2.tw	Method	TBLASTX:Wheat
Start	528	End	935
GI	none	Score	198
Exons	528..677, 732..935		

Seq. No.	8583	Seq. ID	OJ991120_35.0127.C11
Gene No.	18259	Strand	-
Start	402	End	1641
Name	OJ991120_35.0127.C11.o2.np	Method	AAT/NAP
Start	738	End	1641
GI	4335720	Score	362
Exons	738..1641		
GI Descrip.	(AC006248) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	8583	Seq. ID	OJ991120_35.0127.C11
Gene No.	18259	Strand	-
Start	402	End	1641
Name	OJ991120_35.0127.C11.o1.ts	Method	TBLASTX:Soybean
Start	1242	End	1634
GI	none	Score	167
Exons	1242..1298, 1344..1634		

Seq. No.	8583	Seq. ID	OJ991120_35.0127.C11
Gene No.	18259	Strand	-
Start	402	End	1641
Name	OJ991120_35.0127.C11.o1.tw	Method	TBLASTX:Wheat
Start	1326	End	1629
GI	none	Score	248
Exons	1326..1628, 1345..1629		

Seq. No.	8583	Seq. ID	OJ991120_35.0127.C11
Gene No.	18259	Strand	-
Start	402	End	1641
Name	OJ991120_35.0127.C11.o1.tm	Method	TBLASTX:Maize
Start	1389	End	1637
GI	none	Score	71
Exons	1389..1637, 1390..1521		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12

Gene No.	18260	Strand	+
Start	4826	End	5071
Name	OJ991120_35.0127.C12.o2.gs	Method	GENSCAN
Start	4826	End	5071
GI	none	Score	.99
Exons	4826..5071		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18261	Strand	+
Start	5086	End	5379
Name	OJ991120_35.0127.C12.o1.gp	Method	AAT/GAP
Start	5086	End	5379
GI	3761516	Score	536
Exons	5086..5379		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18262	Strand	+
Start	8340	End	8564
Name	OJ991120_35.0127.C12.o3.gs	Method	GENSCAN
Start	8340	End	8564
GI	none	Score	.97
Exons	8340..8564		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18263	Strand	+
Start	10745	End	17368
Name	OJ991120_35.0127.C12.o4.gs	Method	GENSCAN
Start	10745	End	17368
GI	none	Score	.52
Exons	10745..10970, 11145..11154, 12179..12348, 13768..13875, 14557..14684, 15043..15761, 16342..16366, 16821..16915, 17167..17368		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18264	Strand	-
Start	1	End	1988
Name	OJ991120_35.0127.C12.o1.np	Method	AAT/NAP
Start	1	End	1988
GI	2583130	Score	993
Exons	1..1988		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18265	Strand	-
Start	14116	End	14627
Name	OJ991120_35.0127.C12.o2.gp	Method	AAT/GAP
Start	14116	End	14494
GI	20886_2.R1084	Score	511
Exons	14116..14494		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-24 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18265	Strand	-
Start	14116	End	14627
Name	OJ991120_35.0127.C12.o3.gp	Method	AAT/GAP

Start	14144	End	14627
GI	6547_4.R1084	Score	566
Exons	14144..14499, 14594..14627		
GI Descrip.	'3402817/emb|CAA07704| 1.0e-18 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18266	Strand	-
Start	14573	End	15485
Name	OJ991120_35.0127.C12.o1.tw	Method	TBLASTX:Wheat
Start	45	End	437
GI	none	Score	179
Exons	45..221, 57..230, 89..223, 130..237, 215..403, 218..436, 222..437		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18266	Strand	-
Start	14573	End	15485
Name	OJ991120_35.0127.C12.o2.tm	Method	TBLASTX:Maize
Start	176	End	673
GI	none	Score	53
Exons	176..292, 320..562, 587..673		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18266	Strand	-
Start	14573	End	15485
Name	OJ991120_35.0127.C12.o2.tw	Method	TBLASTX:Wheat
Start	1497	End	1883
GI	none	Score	75
Exons	1497..1688, 1537..1689, 1545..1697, 1692..1883, 1774..1866		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18266	Strand	-
Start	14573	End	15485
Name	OJ991120_35.0127.C12.o3.np	Method	AAT/NAP
Start	14573	End	15485
GI	6907106	Score	467
Exons	14573..14760, 14834..15485		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8584	Seq. ID	OJ991120_35.0127.C12
Gene No.	18266	Strand	-
Start	14573	End	15485
Name	OJ991120_35.0127.C12.o1.tm	Method	TBLASTX:Maize
Start	14670	End	15046
GI	none	Score	143
Exons	14670..14729, 14671..14802, 14755..14802, 14806..14823, 14807..15046, 14819..15004		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18267	Strand	+
Start	147	End	5734
Name	OJ991120_35.0127.C14.o1.gs	Method	GENSCAN
Start	147	End	5734
GI	none	Score	.8
Exons	147..516, 931..2170, 2306..2640, 2721..2798, 3093..3199,		

3592..3889, 4325..4469, 5438..5582, 5728..5734

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18268	Strand	+
Start	8655	End	15843
Name	OJ991120_35.0127.C14.o3.gs	Method	GENSCAN
Start	8655	End	15843
GI	none	Score	.64
Exons	8655..8766, 9065..9118, 9948..9998, 10066..10116, 10277..10431, 10771..10884, 11094..11159, 11699..11782, 11888..11947, 12696..12744, 13698..13805, 14424..14542, 14920..15005, 15087..15183, 15724..15843		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18269	Strand	-
Start	6282	End	7613
Name	OJ991120_35.0127.C14.o2.gs	Method	GENSCAN
Start	6282	End	7613
GI	none	Score	.83
Exons	6282..7613		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o6.tm	Method	TBLASTX:Maize
Start	1995	End	2600
GI	none	Score	147
Exons	1995..2036, 1996..2037, 2020..2175, 2043..2162, 2059..2163, 2063..2164, 2305..2325, 2307..2480, 2366..2476, 2459..2491, 2550..2600, 2562..2591		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o3.tm	Method	TBLASTX:Maize
Start	10802	End	12228
GI	none	Score	104
Exons	10802..10888, 10803..10901, 10804..10896, 11061..11177, 11091..11159, 11696..11782, 11698..11784, 11698..11784, 11855..11947, 11858..11947, 11860..11952, 12178..12228		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o2.tm	Method	TBLASTX:Maize
Start	12229	End	15176
GI	none	Score	89
Exons	12229..12282, 12231..12281, 12241..12288, 12361..12447, 12381..12446, 12382..12420, 12696..12752, 13355..13438, 13371..13439, 13388..13450, 13682..13810, 13690..13806, 13693..13818, 14409..14540, 14410..14541, 14413..14541, 14414..14542, 14739..14786, 14740..14811, 14741..14809, 14900..15010, 14917..15006, 15063..15176, 15079..15174		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735

Name	OJ991120_35.0127.C14.o2.np	Method	AAT/NAP
Start	14668	End	19730
GI	2827141	Score	416
Exons	14668..14748, 16958..17154, 17240..17701, 17830..18213, 18314..18507, 18902..19203, 19446..19730		
GI Descrip.	(AF027173) cellulose synthase catalytic subunit [Arabidopsis thaliana] gi|4914447|emb|CAB43650.1| (AL050351) cellulose synthase catalytic subunit (Ath-A) [Arabidopsis thaliana]		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o1.tm	Method	TBLASTX:Maize
Start	16663	End	17523
GI	none	Score	146
Exons	16663..16821, 16676..16819, 16680..16820, 16873..17112, 16907..17173, 16912..17172, 17174..17203, 17175..17207, 17283..17315, 17285..17317, 17309..17419, 17314..17418, 17422..17523		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o3.ts	Method	TBLASTX:Soybean
Start	16720	End	17071
GI	none	Score	43
Exons	16720..16806, 16721..16804, 16918..17070, 16919..17071		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o2.tc	Method	TBLASTX:Cress
Start	17286	End	17648
GI	none	Score	34
Exons	17286..17309, 17314..17607, 17345..17596, 17603..17647, 17604..17648		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o1.ts	Method	TBLASTX:Soybean
Start	17332	End	18430
GI	none	Score	132
Exons	17332..17601, 17333..17596, 17601..17813, 17603..17731, 18374..18430		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o4.tm	Method	TBLASTX:Maize
Start	17524	End	19039
GI	none	Score	66
Exons	17524..17601, 17525..17596, 17603..17704, 17604..17663, 17736..17774, 17739..17774, 17781..17816, 18170..18220, 18297..18371, 18315..18383, 18351..18512, 18371..18484, 18373..18513, 18921..19028, 18946..19029, 18947..19039		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o4.gs	Method	GENSCAN
Start	18362	End	19606
GI	none	Score	.76
Exons	18362..18511, 18924..19055, 19433..19606		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o2.ts	Method	TBLASTX:Soybean
Start	18921	End	19735
GI	none	Score	91
Exons	18921..19031, 18922..19023, 19490..19531, 19510..19731, 19527..19733, 19529..19735		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o5.tm	Method	TBLASTX:Maize
Start	19484	End	19731
GI	none	Score	124
Exons	19484..19531, 19507..19731, 19527..19730		

Seq. No.	8585	Seq. ID	OJ991120_35.0127.C14
Gene No.	18270	Strand	-
Start	14668	End	19735
Name	OJ991120_35.0127.C14.o1.tc	Method	TBLASTX:Cress
Start	19527	End	19735
GI	none	Score	150
Exons	19527..19733, 19528..19734, 19568..19735		

Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18271	Strand	+
Start	1888	End	2195
Name	OJ991120_35.0127.C15.o1.gp	Method	AAT/GAP
Start	1888	End	2195
GI	none	Score	604
Exons	1888..2195		

Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o1.np	Method	AAT/NAP
Start	1570	End	4591
GI	4972103	Score	648
Exons	1570..1617, 2019..2522, 2861..3433, 3540..3752, 4456..4591		
GI Descrip.	(AL078468) cellulose synthase catalytic subunit-like protein [Arabidopsis thaliana]		

Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o2.gs	Method	GENSCAN
Start	1977	End	4554
GI	none	Score	.58

Exons	1977..2522, 3540..3752, 4206..4337, 4456..4554		
Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o2.tm	Method	TBLASTX:Maize
Start	1978	End	3058
GI	none	Score	150
Exons	1978..2139, 1986..2141, 2184..2522, 2185..2520, 2193..2531, 2630..2650, 2858..2992, 2865..2993, 2865..3011, 2996..3058		
Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o2.ts	Method	TBLASTX:Soybean
Start	2040	End	2391
GI	none	Score	43
Exons	2040..2126, 2041..2112, 2158..2391, 2160..2384		
Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o2.tc	Method	TBLASTX:Cress
Start	2289	End	4307
GI	none	Score	77
Exons	2289..2498, 3350..3433, 3537..3752, 4180..4305, 4203..4307		
Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o1.tc	Method	TBLASTX:Cress
Start	2858	End	3221
GI	none	Score	256
Exons	2858..3220, 2859..3221		
Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o1.ts	Method	TBLASTX:Soybean
Start	2861	End	3653
GI	none	Score	244
Exons	2861..3343, 2862..3335, 3350..3436, 3351..3443, 3546..3653		
Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o2.gp	Method	AAT/GAP
Start	2967	End	3415
GI	5781_1.R1084	Score	730
Exons	2967..3415		
GI Descrip.	'2262114/gb|AAB63622.1| 1.0e-14 (AC002343) cellulose synthase isolog [Arabidopsis thaliana]'		
Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o1.tm	Method	TBLASTX:Maize

Start	3062	End	4322
GI	none	Score	166
Exons	3062..3277, 3063..3236, 3296..3436, 3300..3443, 3519..3737, 3547..3753, 3549..3752, 3590..3757, 4203..4322, 4216..4305, 4223..4309		

Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o3.ts	Method	TBLASTX:Soybean
Start	3681	End	4623
GI	none	Score	61
Exons	3681..3752, 4181..4312, 4201..4326, 4203..4325, 4226..4327, 4423..4623, 4453..4536, 4493..4618		

Seq. No.	8586	Seq. ID	OJ991120_35.0127.C15
Gene No.	18272	Strand	-
Start	1570	End	4623
Name	OJ991120_35.0127.C15.o3.gp	Method	AAT/GAP
Start	4456	End	4599
GI	LIB3474-012-P1-K1-H11	Score	275
Exons	4456..4599		
GI Descrip.	'4972103/emb|CAB43899.1| 3.0e-09 (AL078468) cellulose synthase catalytic subunit-like protein [Arabidopsis thaliana]'		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18273	Strand	+
Start	217	End	625
Name	OJ991120_35.0127.C16.o1.gp	Method	AAT/GAP
Start	217	End	625
GI	none	Score	555
Exons	217..259, 337..625		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18274	Strand	+
Start	3041	End	3117
Name	OJ991120_35.0127.C16.o2.gp	Method	AAT/GAP
Start	3041	End	3117
GI	uC-osf1M202097d10b1	Score	75
Exons	3041..3117		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18275	Strand	+
Start	5354	End	5723
Name	OJ991120_35.0127.C16.o3.gp	Method	AAT/GAP
Start	5354	End	5723
GI	LIB3431-035-P1-N1-F7	Score	736
Exons	5354..5723		
GI Descrip.	'2262116/gb|AAB63624.1| 6.0e-10 (AC002343) cellulose synthase isolog [Arabidopsis thaliana]'		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18276	Strand	-
Start	1982	End	11801
Name	OJ991120_35.0127.C16.o1.np	Method	AAT/NAP

Start	389	End	8311
GI	5230423	Score	569
Exons	389..590, 5574..5955, 6056..6949, 7379..7490, 7577..7733, 7883..8311		
GI Descrip.	(AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18276	Strand	-
Start	1982	End	11801
Name	OJ991120_35.0127.C16.o1.gs	Method	GENSCAN
Start	1982	End	11801
GI	none	Score	.54
Exons	1982..2061, 2542..2585, 3135..3470, 4264..4367, 5569..5771, 6244..6628, 6737..6949, 7379..7510, 7591..7731, 7899..8170, 9171..9222, 10261..10487, 11167..11268, 11515..11801		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18276	Strand	-
Start	1982	End	11801
Name	OJ991120_35.0127.C16.o2.np	Method	AAT/NAP
Start	5412	End	11716
GI	4972103	Score	983
Exons	5412..5955, 6056..6628, 6737..6949, 7591..7728, 7912..8214, 10261..10469, 11642..11716		
GI Descrip.	(AL078468) cellulose synthase catalytic subunit-like protein [Arabidopsis thaliana]		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18276	Strand	-
Start	1982	End	11801
Name	OJ991120_35.0127.C16.o4.gp	Method	AAT/GAP
Start	6404	End	7687
GI	6248_1.R1084	Score	1221
Exons	6404..6628, 6737..6949, 7379..7510, 7591..7687		
GI Descrip.	'4417271/gb|AAD20396| 7.0e-35 (AC007019) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o3.tm	Method	TBLASTX:Maize
Start	151	End	8213
GI	none	Score	160
Exons	151..414, 164..412, 7953..8213, 7957..8205		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o2.tc	Method	TBLASTX:Cress
Start	160	End	10383
GI	none	Score	204
Exons	160..426, 161..439, 3188..3256, 7953..8111, 7953..8219, 7954..8229, 10260..10382, 10261..10383		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-

Start	13056	End	13551
Name	OJ991120_35.0127.C16.o2.ts	Method	TBLASTX:Soybean
Start	160	End	8259
GI	none	Score	235
Exons	160..426, 164..427, 167..466, 7953..8225, 7956..8120, 7957..8220, 7960..8259		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o4.tm	Method	TBLASTX:Maize
Start	3156	End	10508
GI	none	Score	85
Exons	3156..3272, 3185..3271, 3258..3284, 3272..3379, 3287..3355, 10258..10398, 10260..10397, 10381..10506, 10398..10508		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o5.ts	Method	TBLASTX:Soybean
Start	3185	End	10505
GI	none	Score	78
Exons	3185..3382, 10260..10505, 10270..10389		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o1.tm	Method	TBLASTX:Maize
Start	5423	End	6292
GI	none	Score	170
Exons	5423..5602, 5431..5601, 5623..5955, 5624..5953, 5626..5958, 6053..6187, 6063..6188, 6108..6191, 6191..6292		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o3.ts	Method	TBLASTX:Soybean
Start	5485	End	5824
GI	none	Score	51
Exons	5485..5595, 5486..5569, 5591..5824, 5593..5823		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o1.tc	Method	TBLASTX:Cress
Start	6053	End	6416
GI	none	Score	241
Exons	6053..6415, 6120..6416		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o1.ts	Method	TBLASTX:Soybean
Start	6062	End	6850
GI	none	Score	222
Exons	6062..6538, 6063..6479, 6545..6640, 6740..6850		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o2.tm	Method	TBLASTX:Maize
Start	6293	End	7502
GI	none	Score	155
Exons	6293..6472, 6294..6431, 6428..6499, 6491..6631, 6497..6631, 6734..6931, 6734..6949, 6801..6950, 7376..7477, 7384..7494, 7389..7478, 7389..7502		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o4.ts	Method	TBLASTX:Soybean
Start	6851	End	7740
GI	none	Score	53
Exons	6851..6919, 7373..7486, 7376..7510, 7428..7505, 7588..7740, 7595..7732, 7603..7740		

Seq. No.	8587	Seq. ID	OJ991120_35.0127.C16
Gene No.	18277	Strand	-
Start	13056	End	13551
Name	OJ991120_35.0127.C16.o5.gp	Method	AAT/GAP
Start	13056	End	13551
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	13056..13100, 13489..13551		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8588	Seq. ID	OJ991120_35.0127.C19
Gene No.	18278	Strand	+
Start	82	End	275
Name	OJ991120_35.0127.C19.o1.np	Method	AAT/NAP
Start	82	End	275
GI	2498930	Score	42
Exons	82..275		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8588	Seq. ID	OJ991120_35.0127.C19
Gene No.	18278	Strand	+
Start	82	End	275
Name	OJ991120_35.0127.C19.o1.gs	Method	GENSCAN
Start	85	End	144
GI	none	Score	.99
Exons	85..144		

Seq. No.	8589	Seq. ID	OJ991120_30.0127.C2
Gene No.	18279	Strand	-
Start	28	End	813
Name	OJ991120_30.0127.C2.o1.gs	Method	GENSCAN
Start	28	End	685
GI	none	Score	.72
Exons	28..685		

Seq. No.	8589	Seq. ID	OJ991120_30.0127.C2

Gene No.	18279	Strand	-
Start	28	End	813
Name	OJ991120_30.0127.C2.o1.tm	Method	TBLASTX:Maize
Start	118	End	541
GI	none	Score	295
Exons	118..405, 119..394, 472..528,	488..541,	491..541

Seq. No.	8589	Seq. ID	OJ991120_30.0127.C2
Gene No.	18279	Strand	-
Start	28	End	813
Name	OJ991120_30.0127.C2.o1.tc	Method	TBLASTX:Cress
Start	127	End	405
GI	none	Score	189
Exons	127..405, 212..394		

Seq. No.	8589	Seq. ID	OJ991120_30.0127.C2
Gene No.	18279	Strand	-
Start	28	End	813
Name	OJ991120_30.0127.C2.o1.ts	Method	TBLASTX:Soybean
Start	127	End	405
GI	none	Score	237
Exons	127..405, 212..394		

Seq. No.	8589	Seq. ID	OJ991120_30.0127.C2
Gene No.	18279	Strand	-
Start	28	End	813
Name	OJ991120_30.0127.C2.o1.np	Method	AAT/NAP
Start	128	End	813
GI	3821254	Score	492
Exons	128..487, 668..813		
GI Descrip.	(AJ007789) geranylgeranyl reductase [Nicotiana tabacum]		

Seq. No.	8589	Seq. ID	OJ991120_30.0127.C2
Gene No.	18279	Strand	-
Start	28	End	813
Name	OJ991120_30.0127.C2.o1.gp	Method	AAT/GAP
Start	226	End	690
GI	24623_1.R1084	Score	898
Exons	226..690		
GI Descrip.	'3202030 1.0e-26 (AF069318) geranylgeranyl hydrogenase [Mesembryanthemum crystallinum]'		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18280	Strand	+
Start	1422	End	16523
Name	OJ991120_30.0127.C3.o1.np	Method	AAT/NAP
Start	1422	End	3142
GI	6907086	Score	1473
Exons	1422..2175, 2233..2416, 2655..2787, 2829..3142		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18280	Strand	+
Start	1422	End	16523
Name	OJ991120_30.0127.C3.o1.gs	Method	GENSCAN
Start	1626	End	16523
GI	none	Score	.65

Exons	1626..2138, 3645..3691, 4301..4391, 5965..6119, 6392..6536, 6596..6630, 7091..7292, 7694..8069, 8193..8257, 8681..8758, 8854..8964, 10261..11213, 12695..13103, 13436..13468, 13567..13819, 14719..14829, 14937..15073, 15185..15298, 15446..15645, 15739..15927, 16460..16523		
Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18280	Strand	+
Start	1422	End	16523
Name	OJ991120_30.0127.C3.o2.np	Method	AAT/NAP
Start	7014	End	11214
GI	2655031	Score	2495
Exons	7014..7292, 7685..8069, 8193..8257, 8681..8758, 8854..8964, 9063..9107, 9587..9760, 10261..11214		
GI Descrip.	(AF019297) starch synthase isoform zSTSII-2 [Zea mays]		
Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18280	Strand	+
Start	1422	End	16523
Name	OJ991120_30.0127.C3.o1.gp	Method	AAT/GAP
Start	7145	End	7992
GI	uC-osf1M202062g01b1	Score	826
Exons	7145..7292, 7694..7992		
GI Descrip.	'5441877/dbj|BAA82375.1| 1.0e-13 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		
Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18280	Strand	+
Start	1422	End	16523
Name	OJ991120_30.0127.C3.o2.gp	Method	AAT/GAP
Start	11595	End	12055
GI	3761750	Score	807
Exons	11595..12055		
Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18280	Strand	+
Start	1422	End	16523
Name	OJ991120_30.0127.C3.o3.np	Method	AAT/NAP
Start	12918	End	16177
GI	6730659	Score	1256
Exons	12918..13103, 13370..13468, 13567..13819, 14719..14829, 14937..15073, 15185..15298, 15446..15645, 15739..15927, 16018..16177		
GI Descrip.	(AC007945) F28C11.9 [Arabidopsis thaliana]		
Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18280	Strand	+
Start	1422	End	16523
Name	OJ991120_30.0127.C3.o3.gp	Method	AAT/GAP
Start	15771	End	16099
GI	2796587	Score	430
Exons	15771..15927, 16018..16099		
GI Descrip.	5441877/dbj|BAA82375.1| 1.0e-13 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]		
Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3

Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o4.ts	Method	TBLASTX:Soybean
Start	7999	End	10335
GI	none	Score	102
Exons	7999..8070, 8000..8071, 8003..8089, 8191..8268, 8192..8275, 8680..8754, 8681..8758, 8850..8936, 8851..8961, 9060..9119, 9579..9749, 9584..9760, 9586..9771, 9586..9753, 10258..10335, 10260..10334		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o3.tm	Method	TBLASTX:Maize
Start	8724	End	9766
GI	none	Score	61
Exons	8724..8759, 8725..8760, 8845..8964, 8851..8961, 8853..8984, 9062..9109, 9063..9110, 9581..9766, 9586..9765		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o1.tm	Method	TBLASTX:Maize
Start	10344	End	11190
GI	none	Score	169
Exons	10344..10538, 10345..10542, 10584..11027, 10591..11025, 10999..11190		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o1.tc	Method	TBLASTX:Cress
Start	10633	End	11190
GI	none	Score	451
Exons	10633..11031, 10657..10911, 10662..11030, 11014..11190		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o1.ts	Method	TBLASTX:Soybean
Start	10657	End	11232
GI	none	Score	828
Exons	10657..11232, 10665..11225		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o4.tm	Method	TBLASTX:Maize
Start	12764	End	13465
GI	none	Score	260
Exons	12764..13012, 12765..13019, 12951..13019, 12960..13127, 12990..13103, 13063..13104, 13363..13455, 13367..13465, 13367..13465		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524

Name	OJ991120_30.0127.C3.o2.tc	Method	TBLASTX:Cress
Start	12828	End	15253
GI	none	Score	136
Exons	12828..13022, 13026..13127, 13367..13468, 13378..13467, 13564..13827, 13572..13817, 14711..14833, 14718..14831, 14935..15063, 14936..15076, 14969..15076, 15182..15253, 15184..15252		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o2.ts	Method	TBLASTX:Soybean
Start	13041	End	15013
GI	none	Score	94
Exons	13041..13127, 13061..13120, 13063..13146, 13370..13468, 13378..13470, 13564..13809, 13566..13808, 14717..14770, 14718..14783, 14787..14831, 14789..14833, 14935..14982, 14936..15013		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o2.tm	Method	TBLASTX:Maize
Start	13624	End	16168
GI	none	Score	245
Exons	13624..13818, 13626..13817, 14708..14848, 14718..14831, 14791..14883, 14935..15063, 14936..15076, 14966..15076, 15176..15286, 15180..15278, 15181..15312, 15182..15298, 15404..15646, 15445..15663, 15539..15646, 15736..15897, 15737..15889, 16016..16168, 16016..16126		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o3.ts	Method	TBLASTX:Soybean
Start	15185	End	16168
GI	none	Score	148
Exons	15185..15298, 15187..15297, 15443..15481, 15445..15651, 15539..15646, 15736..15921, 15737..15922, 16016..16168		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o1.tw	Method	TBLASTX:Wheat
Start	15230	End	15873
GI	none	Score	67
Exons	15230..15298, 15539..15646, 15685..15726, 15737..15871, 15766..15873		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o3.tc	Method	TBLASTX:Cress
Start	15539	End	16168
GI	none	Score	102
Exons	15539..15646, 15737..15904, 15739..15951, 16016..16168		

Seq. No.	8590	Seq. ID	OJ991120_30.0127.C3
Gene No.	18281	Strand	-
Start	16371	End	16524
Name	OJ991120_30.0127.C3.o4.gp	Method	AAT/GAP
Start	16371	End	16524
GI	uC-osflcyp084e03a1	Score	206
Exons	16371..16524		
GI Descrip.	'5441877/dbj|BAA82375.1| 1.0e-13 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18282	Strand	+
Start	3395	End	13818
Name	OJ991120_30.0127.C4.o2.gs	Method	GENSCAN
Start	3395	End	13818
GI	none	Score	.62
Exons	3395..3521, 3571..3655, 3763..3842, 4685..4816, 5030..5222, 5272..5438, 6021..6335, 6411..6682, 6699..7097, 10148..10207, 12499..12559, 12586..12678, 13568..13818		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18283	Strand	+
Start	18617	End	25915
Name	OJ991120_30.0127.C4.o5.gs	Method	GENSCAN
Start	18617	End	25915
GI	none	Score	.51
Exons	18617..18644, 19076..19212, 19227..19347, 19894..19996, 21471..21666, 23159..23384, 23702..23849, 24668..24816, 24887..25020, 25572..25776, 25848..25915		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18284	Strand	+
Start	27850	End	28640
Name	OJ991120_30.0127.C4.o5.np	Method	AAT/NAP
Start	27850	End	28640
GI	5080791	Score	368
Exons	27850..28138, 28226..28349, 28428..28640		
GI Descrip.	(AC007576) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18285	Strand	+
Start	36173	End	36897
Name	OJ991120_30.0127.C4.o7.gs	Method	GENSCAN
Start	36173	End	36897
GI	none	Score	.5
Exons	36173..36577, 36605..36677, 36887..36897		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18285	Strand	+
Start	36173	End	36897
Name	OJ991120_30.0127.C4.o4.gp	Method	AAT/GAP
Start	36718	End	36775
GI	none	Score	65
Exons	36718..36775		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4

Gene No.	18286	Strand	+
Start	46567	End	46662
Name	OJ991120_30.0127.C4.o8.np	Method	AAT/NAP
Start	46567	End	46662
GI	5852084	Score	77
Exons	46567..46662		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18287	Strand	-
Start	1	End	1767
Name	OJ991120_30.0127.C4.o1.np	Method	AAT/NAP
Start	1	End	1767
GI	6041804	Score	47
Exons	1..29, 492..636, 1745..1767		
GI Descrip.	(AC009755) putative protein kinase [Arabidopsis thaliana] gi|6513945|gb|AAF14849.1|AC011664_31 (AC011664) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18287	Strand	-
Start	1	End	1767
Name	OJ991120_30.0127.C4.o2.np	Method	AAT/NAP
Start	1	End	1170
GI	6539574	Score	96
Exons	1..35, 981..1170		
GI Descrip.	(AP000836) Similar to chromaffin granule ATPase II homolog (U75321) [Oryza sativa]		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18288	Strand	-
Start	5452	End	6058
Name	OJ991120_30.0127.C4.o1.gp	Method	AAT/GAP
Start	5452	End	6058
GI	6012874	Score	1002
Exons	5452..5473, 5534..6058		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18289	Strand	-
Start	5999	End	7119
Name	OJ991120_30.0127.C4.o3.np	Method	AAT/NAP
Start	5999	End	6911
GI	1041702	Score	913
Exons	5999..6305, 6402..6723, 6818..6911		
GI Descrip.	(U30476) expansin At-EXP1 [Arabidopsis thaliana]		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18289	Strand	-
Start	5999	End	7119
Name	OJ991120_30.0127.C4.o2.gp	Method	AAT/GAP
Start	6598	End	7119
GI	76629_1.R1084	Score	746
Exons	6598..6723, 6818..7119		
GI Descrip.	'4454483/gb|AAD20930| 5.0e-11 (AC006234) putative kinase, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4

Gene No.	18290	Strand	-
Start	13843	End	14154
Name	OJ991120_30.0127.C4.o3.gs	Method	GENSCAN
Start	13843	End	14154
GI	none	Score	.52
Exons	13843..14154		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18291	Strand	-
Start	15131	End	18259
Name	OJ991120_30.0127.C4.o4.gs	Method	GENSCAN
Start	15131	End	18259
GI	none	Score	.47
Exons	15131..15324, 16146..16242, 16318..16536, 17006..17101, 17205..17541, 17543..17737, 18210..18259		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18291	Strand	-
Start	15131	End	18259
Name	OJ991120_30.0127.C4.o4.np	Method	AAT/NAP
Start	15134	End	16536
GI	6642738	Score	178
Exons	15134..15324, 15444..15506, 16146..16218, 16297..16536		
GI Descrip.	(AF113007) PRO0066 [Homo sapiens]		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18292	Strand	-
Start	33739	End	36685
Name	OJ991120_30.0127.C4.o6.np	Method	AAT/NAP
Start	33739	End	36685
GI	6598805	Score	251
Exons	33739..33868, 34527..34632, 35360..35524, 35816..35899, 36165..36343, 36520..36685		
GI Descrip.	(AF024504) unknown protein [Arabidopsis thaliana]		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18292	Strand	-
Start	33739	End	36685
Name	OJ991120_30.0127.C4.o3.gp	Method	AAT/GAP
Start	35389	End	36614
GI	none	Score	869
Exons	35389..35524, 35816..35899, 36165..36343, 36520..36614		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18293	Strand	-
Start	37649	End	38158
Name	OJ991120_30.0127.C4.o8.gs	Method	GENSCAN
Start	37649	End	38158
GI	none	Score	.56
Exons	37649..37771, 37988..38158		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18294	Strand	-
Start	39941	End	41027
Name	OJ991120_30.0127.C4.o9.gs	Method	GENSCAN
Start	39941	End	41027
GI	none	Score	.57

Exons 39941..40158, 40650..40701, 41019..41027

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18295	Strand	-
Start	41755	End	43750
Name	OJ991120_30.0127.C4.o7.np	Method	AAT/NAP
Start	41725	End	43750
GI	6554183	Score	110

Exons 41725..41992, 42207..42416, 43703..43750
GI Descrip. (AC011661) T23J18.11 [Arabidopsis thaliana]

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18295	Strand	-
Start	41755	End	43750
Name	OJ991120_30.0127.C4.o10.gs	Method	GENSCAN
Start	41755	End	42408
GI	none	Score	.98

Exons 41755..41940, 42049..42408

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o1.ts	Method	TBLASTX:Soybean
Start	5996	End	6873
GI	none	Score	143

Exons 5996..6169, 6003..6158, 6176..6307, 6231..6308, 6243..6323, 6401..6577, 6408..6578, 6605..6724, 6627..6725, 6816..6872, 6817..6873

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o1.tc	Method	TBLASTX:Cress
Start	6000	End	6872
GI	none	Score	85

Exons 6000..6170, 6002..6172, 6227..6307, 6228..6326, 6401..6565, 6402..6566, 6569..6724, 6570..6725, 6816..6872, 6817..6858

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o1.tm	Method	TBLASTX:Maize
Start	6002	End	6873
GI	none	Score	166

Exons 6002..6169, 6003..6170, 6227..6310, 6228..6314, 6243..6311, 6371..6580, 6372..6581, 6593..6724, 6594..6725, 6816..6872, 6817..6873

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o4.tm	Method	TBLASTX:Maize
Start	15173	End	16206
GI	none	Score	158

Exons 15173..15331, 15174..15326, 15179..15331, 15424..15507, 15437..15526, 15452..15508, 16147..16206

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o4.tc	Method	TBLASTX:Cress
Start	16186	End	16539
GI	none	Score	97
Exons	16186..16242, 16315..16443, 16435..16539		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o3.tm	Method	TBLASTX:Maize
Start	24326	End	25026
GI	none	Score	40
Exons	24326..24457, 24328..24366, 24435..24485, 24604..24684, 24608..24676, 24734..24778, 24750..24821, 24763..24825, 24765..24824, 24916..24975, 24922..25026		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o3.tc	Method	TBLASTX:Cress
Start	28056	End	28571
GI	none	Score	91
Exons	28056..28130, 28230..28352, 28410..28571, 28481..28546		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o5.tm	Method	TBLASTX:Maize
Start	28239	End	28580
GI	none	Score	121
Exons	28239..28349, 28239..28349, 28410..28544, 28478..28546, 28544..28576, 28545..28580		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o6.tm	Method	TBLASTX:Maize
Start	30244	End	32667
GI	none	Score	128
Exons	30244..30366, 30291..30365, 32079..32252, 32081..32251, 32378..32425, 32532..32582, 32587..32667		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o3.ts	Method	TBLASTX:Soybean
Start	32081	End	32637
GI	none	Score	207
Exons	32081..32251, 32082..32264, 32375..32425, 32532..32582, 32587..32637		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o7.tm	Method	TBLASTX:Maize

Start	35358	End	35867
GI	none	Score	46
Exons	35358..35399, 35360..35428, 35402..35527, 35403..35528, 35407..35574, 35810..35866, 35811..35867		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o5.ts	Method	TBLASTX:Soybean
Start	42025	End	42372
GI	none	Score	104
Exons	42025..42231, 42217..42372, 42218..42343		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o5.gp	Method	AAT/GAP
Start	47383	End	47697
GI	LIB3433-052-P1-K1-C2	Score	606
Exons	47383..47697		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 7.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o11.gs	Method	GENSCAN
Start	47393	End	51576
GI	none	Score	.89
Exons	47393..47473, 47614..47721, 47726..48017, 48108..48157, 49579..49647, 49729..49827, 49941..50019, 50331..50431, 51217..51257, 51381..51576		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o2.tm	Method	TBLASTX:Maize
Start	47442	End	51625
GI	none	Score	42
Exons	47442..47486, 47604..47729, 47608..47730, 47838..48017, 47840..48019, 47845..48018, 48102..48158, 48107..48157, 49579..49647, 49580..49648, 49726..49827, 49727..49828, 49727..49828, 49930..50022, 49941..50045, 49941..50021, 50303..50443, 50309..50443, 50631..50690, 50632..50688, 51200..51259, 51209..51256, 51217..51258, 51361..51492, 51374..51496, 51380..51493, 51478..51519, 51482..51520, 51532..51621, 51533..51625, 51534..51620		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o9.np	Method	AAT/NAP
Start	47597	End	51651
GI	6692730	Score	930
Exons	47597..47721, 47841..48017, 48108..48157, 49579..49647, 49729..49827, 49941..50019, 50331..50431, 50633..50700, 51217..51257, 51381..51651		

GI Descrip. (AC012679) putative protein kinase [Arabidopsis thaliana]

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o2.tc	Method	TBLASTX:Cress
Start	47652	End	49777
GI	none	Score	35
Exons	47652..47729, 47685..47708, 47838..48017, 47840..48019, 48102..48158, 48107..48157, 49579..49647, 49580..49648, 49726..49776, 49727..49777		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o2.ts	Method	TBLASTX:Soybean
Start	47667	End	50443
GI	none	Score	50
Exons	47667..47729, 47671..47748, 47843..48019, 47844..48017, 48102..48155, 48107..48154, 49579..49647, 49580..49648, 49720..49818, 49726..49827, 49727..49828, 49940..50020, 49941..50021, 49942..50022, 50319..50429, 50322..50432, 50330..50431, 50357..50443		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o5.tc	Method	TBLASTX:Cress
Start	49777	End	50040
GI	none	Score	84
Exons	49777..49830, 49778..49828, 49780..49830, 49929..50039, 49938..50039, 49939..50040		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o6.gp	Method	AAT/GAP
Start	50343	End	50717
GI	LIB3433-042-P1-K1-D12	Score	237
Exons	50343..50431, 50633..50717		
GI Descrip.	'3063459 3.0e-15 (AC003981) F22O13.21 [Arabidopsis thaliana]'		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o4.ts	Method	TBLASTX:Soybean
Start	50630	End	51540
GI	none	Score	68
Exons	50630..50689, 51200..51259, 51217..51258, 51361..51540, 51380..51508		

Seq. No.	8591	Seq. ID	OJ991120_30.0127.C4
Gene No.	18296	Strand	-
Start	47393	End	51651
Name	OJ991120_30.0127.C4.o7.gp	Method	AAT/GAP
Start	51337	End	51651
GI	3768375	Score	493

Exons	51337..51651		
Seq. No.	8592	Seq. ID	OJ991120_30.0127.C5
Gene No.	18297	Strand	-
Start	1	End	3304
Name	OJ991120_30.0127.C5.o1.gp	Method	AAT/GAP
Start	1	End	107
GI	3768375	Score	210
Exons	1..107		
Seq. No.	8592	Seq. ID	OJ991120_30.0127.C5
Gene No.	18297	Strand	-
Start	1	End	3304
Name	OJ991120_30.0127.C5.o1.np	Method	AAT/NAP
Start	1	End	3304
GI	6692730	Score	872
Exons	1..277, 338..760, 827..1106, 1304..1407, 1712..2152, 2872..3102, 3283..3304		
GI Descrip.	(AC012679) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	8592	Seq. ID	OJ991120_30.0127.C5
Gene No.	18297	Strand	-
Start	1	End	3304
Name	OJ991120_30.0127.C5.o1.gs	Method	GENSCAN
Start	31	End	3120
GI	none	Score	.54
Exons	31..935, 1075..1106, 1304..1407, 1712..2152, 2872..3120		
Seq. No.	8592	Seq. ID	OJ991120_30.0127.C5
Gene No.	18297	Strand	-
Start	1	End	3304
Name	OJ991120_30.0127.C5.o2.tc	Method	TBLASTX:Cress
Start	500	End	1109
GI	none	Score	161
Exons	500..658, 502..672, 502..639, 506..643, 525..644, 1035..1109, 1043..1108		
Seq. No.	8592	Seq. ID	OJ991120_30.0127.C5
Gene No.	18297	Strand	-
Start	1	End	3304
Name	OJ991120_30.0127.C5.o1.tc	Method	TBLASTX:Cress
Start	1850	End	2154
GI	none	Score	100
Exons	1850..2152, 1950..2153, 1951..2154		
Seq. No.	8592	Seq. ID	OJ991120_30.0127.C5
Gene No.	18297	Strand	-
Start	1	End	3304
Name	OJ991120_30.0127.C5.o1.tm	Method	TBLASTX:Maize
Start	1931	End	3023
GI	none	Score	162
Exons	1931..2152, 1931..2155, 1932..2153, 1932..2159, 1933..2154, 2872..2982, 2873..2986, 2875..3009, 2877..3023		
Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18298	Strand	+
Start	63	End	596

Name	OJ991120_30.0127.C6.o1.gs	Method	GENSCAN
Start	63	End	596
GI	none	Score	.85
Exons	63..596		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18299	Strand	+
Start	4775	End	7521
Name	OJ991120_30.0127.C6.o3.gs	Method	GENSCAN
Start	4775	End	7521
GI	none	Score	.84
Exons	4775..4870, 4936..5145, 5296..5422, 5834..5923, 6133..6206, 6659..6815, 7451..7521		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18300	Strand	+
Start	8402	End	11321
Name	OJ991120_30.0127.C6.o1.gp	Method	AAT/GAP
Start	8253	End	11321
GI	858_1.R1084	Score	4539
Exons	8253..9526, 9623..9896, 10011..10096, 10190..10347, 10639..10715, 10800..11321		
GI Descrip.	'3377509 0.0e+00 (AF056027) auxin transport protein REH1 [Oryza sativa]'		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18300	Strand	+
Start	8402	End	11321
Name	OJ991120_30.0127.C6.o1.np	Method	AAT/NAP
Start	8402	End	10863
GI	3377509	Score	2868
Exons	8402..9526, 9623..9896, 10011..10096, 10190..10347, 10639..10715, 10800..10863		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18300	Strand	+
Start	8402	End	11321
Name	OJ991120_30.0127.C6.o4.gs	Method	GENSCAN
Start	8402	End	10866
GI	none	Score	.87
Exons	8402..8800, 8860..9526, 9623..9896, 10011..10096, 10190..10347, 10639..10715, 10800..10866		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18301	Strand	+
Start	12795	End	15217
Name	OJ991120_30.0127.C6.o5.gs	Method	GENSCAN
Start	12795	End	15217
GI	none	Score	.78
Exons	12795..12894, 12959..13172, 14222..14336, 14924..15217		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18302	Strand	-
Start	3483	End	3977
Name	OJ991120_30.0127.C6.o2.gs	Method	GENSCAN
Start	3483	End	3977

GI	none	Score	.9
Exons	3483..3620, 3918..3977		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o1.tc	Method	TBLASTX:Cress
Start	8398	End	10866
GI	none	Score	648
Exons	8398..8823, 8399..8821, 8744..8827, 8823..8960, 8824..8964, 8962..9084, 9000..9077, 9079..9195, 9111..9191, 9186..9278, 9196..9339, 9334..9378, 9411..9467, 9412..9495, 9628..9684, 9771..9899, 9802..9897, 9993..10097, 10009..10104, 10188..10346, 10189..10347, 10636..10734, 10638..10715, 10798..10866		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o2.ts	Method	TBLASTX:Soybean
Start	8398	End	8689
GI	none	Score	439
Exons	8398..8688, 8399..8689		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o2.tm	Method	TBLASTX:Maize
Start	8401	End	8742
GI	none	Score	562
Exons	8401..8742, 8402..8740		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o3.ts	Method	TBLASTX:Soybean
Start	8698	End	9033
GI	none	Score	197
Exons	8698..8823, 8699..8821, 8744..8827, 8824..8964, 8829..8960, 8833..8961, 8962..9033		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o4.tm	Method	TBLASTX:Maize
Start	8742	End	8991
GI	none	Score	118
Exons	8742..8822, 8743..8823, 8744..8821, 8824..8991, 8829..8954, 8962..8988		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o4.ts	Method	TBLASTX:Soybean
Start	9033	End	9297
GI	none	Score	260
Exons	9033..9191, 9034..9195, 9196..9261, 9244..9297		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o1.tm	Method	TBLASTX:Maize
Start	9063	End	9501
GI	none	Score	441
Exons	9063..9332, 9064..9354, 9294..9431, 9370..9501, 9372..9470, 9421..9501		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o1.ts	Method	TBLASTX:Soybean
Start	9421	End	10866
GI	none	Score	98
Exons	9421..9513, 9640..9684, 9777..9899, 9802..9897, 9993..10100, 10005..10103, 10009..10104, 10188..10343, 10189..10347, 10636..10734, 10636..10707, 10638..10712, 10786..10860, 10800..10865, 10801..10866		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o1.tw	Method	TBLASTX:Wheat
Start	9808	End	10737
GI	none	Score	66
Exons	9808..9897, 10008..10100, 10009..10104, 10183..10347, 10188..10340, 10636..10737		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18303	Strand	
Start	8398	End	10866
Name	OJ991120_30.0127.C6.o3.tm	Method	TBLASTX:Maize
Start	9808	End	10866
GI	none	Score	142
Exons	9808..9897, 9813..9899, 9822..9899, 10009..10104, 10011..10097, 10188..10355, 10189..10347, 10632..10712, 10636..10713, 10797..10865, 10801..10863, 10804..10866		

Seq. No.	8593	Seq. ID	OJ991120_30.0127.C6
Gene No.	18304	Strand	
Start	13156	End	13420
Name	OJ991120_30.0127.C6.o5.tm	Method	TBLASTX:Maize
Start	13156	End	13420
GI	none	Score	293
Exons	13156..13350, 13157..13420		

Seq. No.	8594	Seq. ID	OJ991120_30.0127.C7
Gene No.	18305	Strand	+
Start	754	End	3601
Name	OJ991120_30.0127.C7.o1.gs	Method	GENSCAN
Start	754	End	3601
GI	none	Score	.57
Exons	754..871, 1747..1877, 2387..2498, 2953..3206, 3561..3601		

Seq. No.	8594	Seq. ID	OJ991120_30.0127.C7
Gene No.	18306	Strand	+

Start	6226	End	6696
Name	OJ991120_30.0127.C7.o1.np	Method	AAT/NAP
Start	6226	End	6696
GI	6692263	Score	187
Exons	6226..6696		
GI Descrip.	(AC010870) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8594	Seq. ID	OJ991120_30.0127.C7
Gene No.	18307	Strand	-
Start	6851	End	7039
Name	OJ991120_30.0127.C7.o1.ts	Method	TBLASTX:Soybean
Start	6325	End	6603
GI	none	Score	160
Exons	6325..6471, 6354..6470, 6532..6603		

Seq. No.	8594	Seq. ID	OJ991120_30.0127.C7
Gene No.	18307	Strand	-
Start	6851	End	7039
Name	OJ991120_30.0127.C7.o1.gp	Method	AAT/GAP
Start	6851	End	7039
GI	2280932	Score	350
Exons	6851..7039		

Seq. No.	8595	Seq. ID	OJ991120_30.0127.C8
Gene No.	18308	Strand	-
Start	2138	End	2458
Name	OJ991120_30.0127.C8.o1.tm	Method	TBLASTX:Maize
Start	2132	End	2450
GI	none	Score	218
Exons	2132..2449, 2133..2339, 2137..2448, 2166..2450		

Seq. No.	8595	Seq. ID	OJ991120_30.0127.C8
Gene No.	18308	Strand	-
Start	2138	End	2458
Name	OJ991120_30.0127.C8.o1.gs	Method	GENSCAN
Start	2138	End	2443
GI	none	Score	.99
Exons	2138..2443		

Seq. No.	8595	Seq. ID	OJ991120_30.0127.C8
Gene No.	18308	Strand	-
Start	2138	End	2458
Name	OJ991120_30.0127.C8.o1.np	Method	AAT/NAP
Start	2153	End	2458
GI	5091511	Score	175
Exons	2153..2458		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]		

Seq. No.	8596	Seq. ID	OJ991120_30.0127.C9
Gene No.	18309	Strand	+
Start	69	End	1034
Name	OJ991120_30.0127.C9.o1.gs	Method	GENSCAN
Start	69	End	1034
GI	none	Score	.52
Exons	69..311, 606..866, 895..1034		

Seq. No.	8596	Seq. ID	OJ991120_30.0127.C9
Gene No.	18310	Strand	-
Start	3303	End	3474
Name	OJ991120_30.0127.C9.o2.gs	Method	GENSCAN
Start	3303	End	3474
GI	none	Score	.69
Exons	3303..3474		

Seq. No.	8597	Seq. ID	OJ991120_30.0127.C11
Gene No.	18311	Strand	+
Start	107	End	231
Name	OJ991120_30.0127.C11.o1.gs	Method	GENSCAN
Start	107	End	231
GI	none	Score	.55
Exons	107..231		

Seq. No.	8598	Seq. ID	OJ991120_30.0127.C13
Gene No.	18312	Strand	-
Start	13	End	476
Name	OJ991120_30.0127.C13.o1.gs	Method	GENSCAN
Start	13	End	476
GI	none	Score	.74
Exons	13..181, 426..476		

Seq. No.	8599	Seq. ID	OJ991120_30.0127.C14
Gene No.	18313	Strand	+'
Start	1	End	731
Name	OJ991120_30.0127.C14.o1.gp	Method	AAT/GAP
Start	1	End	731
GI	13283_2:R1084	Score	1347
Exons	1..22, 45..731		
GI Descrip.	'5139541/emb|CAB45652.1| 3.0e-20 (AJ243308) nodulin26-like major intrinsic protein [Pisum sativum]'		

Seq. No.	8599	Seq. ID	OJ991120_30.0127.C14
Gene No.	18313	Strand	+
Start	1	End	731
Name	OJ991120_30.0127.C14.o1.np	Method	AAT/NAP
Start	1	End	256
GI	1352509	Score	169
Exons	1..256		
GI Descrip.	NODULIN-26 (N-26) gi|18710|emb|CAA28471| (X04782) nodulin [Glycine max]		

Seq. No.	8599	Seq. ID	OJ991120_30.0127.C14
Gene No.	18313	Strand	+
Start	1	End	731
Name	OJ991120_30.0127.C14.o1.tm	Method	TBLASTX:Maize
Start	11	End	285
GI	none	Score	282
Exons	11..229, 20..184, 25..204, 214..285, 215..280		

Seq. No.	8599	Seq. ID	OJ991120_30.0127.C14
Gene No.	18313	Strand	+
Start	1	End	731
Name	OJ991120_30.0127.C14.o1.ts	Method	TBLASTX:Soybean
Start	49	End	247

GI	none	Score	180
Exons	49..243, 50..247		

Seq. No.	8600	Seq. ID	OJ991120_30.0127.C15
Gene No.	18314	Strand	-
Start	1	End	678
Name	OJ991120_30.0127.C15.o1.np	Method	AAT/NAP
Start	1	End	662
GI	5091511	Score	409
Exons	1..68, 138..662		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]		

Seq. No.	8600	Seq. ID	OJ991120_30.0127.C15
Gene No.	18314	Strand	-
Start	1	End	678
Name	OJ991120_30.0127.C15.o1.gs	Method	GENSCAN
Start	18	End	678
GI	none	Score	.8
Exons	18..226, 287..678		

Seq. No.	8600	Seq. ID	OJ991120_30.0127.C15
Gene No.	18314	Strand	-
Start	1	End	678
Name	OJ991120_30.0127.C15.o1.tm	Method	TBLASTX:Maize
Start	85	End	652
GI	none	Score	36
Exons	85..153, 87..146, 183..335, 184..336, 189..407, 333..500, 334..492, 400..513, 493..597, 499..609, 569..637, 614..652		

Seq. No.	8600	Seq. ID	OJ991120_30.0127.C15
Gene No.	18314	Strand	-
Start	1	End	678
Name	OJ991120_30.0127.C15.o1.ts	Method	TBLASTX:Soybean
Start	105	End	597
GI	none	Score	159
Exons	105..341, 120..335, 336..440, 337..429, 510..587, 514..597, 535..588		

Seq. No.	8600	Seq. ID	OJ991120_30.0127.C15
Gene No.	18314	Strand	-
Start	1	End	678
Name	OJ991120_30.0127.C15.o1.tc	Method	TBLASTX:Cress
Start	174	End	318
GI	none	Score	63
Exons	174..317, 187..318		

Seq. No.	8601	Seq. ID	OJ991120_30.0127.C17
Gene No.	18315	Strand	-
Start	1	End	74
Name	OJ991120_30.0127.C17.o1.gp	Method	AAT/GAP
Start	1	End	74
GI	13283_3.R1084	Score	104
Exons	1..74		
GI Descrip.	'4262186/gb|AAD14503| 5.0e-47 (AC005508) Highly similar to cullin 3 [Arabidopsis thaliana]'		

Seq. No.	8601	Seq. ID	OJ991120_30.0127.C17
Gene No.	18316	Strand	-
Start	435	End	591
Name	OJ991120_30.0127.C17.o1.gs	Method	GENSCAN
Start	435	End	591
GI	none	Score	.6
Exons	435..591		

Seq. No.	8602	Seq. ID	OJ991120_30.0127.C18
Gene No.	18317	Strand	+
Start	3085	End	3295
Name	OJ991120_30.0127.C18.o2.gs	Method	GENSCAN
Start	3085	End	3295
GI	none	Score	.88
Exons	3085..3174, 3179..3295		

Seq. No.	8602	Seq. ID	OJ991120_30.0127.C18
Gene No.	18318	Strand	-
Start	1	End	1507
Name	OJ991120_30.0127.C18.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	1076748	Score	152
Exons	1..23, 845..1153, 1328..1413		
GI Descrip.	major intrinsic protein - rice gi|440869|dbj|BAA04257| (D17443) major intrinsic protein [Oryza sativa]		

Seq. No.	8602	Seq. ID	OJ991120_30.0127.C18
Gene No.	18318	Strand	-
Start	1	End	1507
Name	OJ991120_30.0127.C18.o1.tm	Method	TBLASTX:Maize
Start	867	End	1375
GI	none	Score	297
Exons	867..1097, 868..1095, 972..1097, 1223..1375, 1285..1374		

Seq. No.	8602	Seq. ID	OJ991120_30.0127.C18
Gene No.	18318	Strand	-
Start	1	End	1507
Name	OJ991120_30.0127.C18.o1.ts	Method	TBLASTX:Soybean
Start	867	End	1097
GI	none	Score	137
Exons	867..1037, 877..1041, 1032..1097		

Seq. No.	8602	Seq. ID	OJ991120_30.0127.C18
Gene No.	18318	Strand	-
Start	1	End	1507
Name	OJ991120_30.0127.C18.o1.gp	Method	AAT/GAP
Start	868	End	1507
GI	13283_3.R1084	Score	924
Exons	868..1094, 1237..1507		
GI Descrip.	'4262186/gb|AAD14503| 5.0e-47 (AC005508) Highly similar to cullin 3 [Arabidopsis thaliana]'		

Seq. No.	8602	Seq. ID	OJ991120_30.0127.C18
Gene No.	18318	Strand	-
Start	1	End	1507
Name	OJ991120_30.0127.C18.o1.gs	Method	GENSCAN
Start	870	End	1386

GI	none	Score	.97
Exons	870..1094, 1237..1386		

Seq. No.	8602	Seq. ID	OJ991120_30.0127.C18
Gene No.	18318	Strand	-
Start	1	End	1507
Name	OJ991120_30.0127.C18.o1.tw	Method	TBLASTX:Wheat
Start	897	End	1375
GI	none	Score	248
Exons	897..1097, 898..1095, 1228..1305, 1234..1293, 1238..1375, 1285..1374		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18319	Strand	+
Start	4645	End	10820
Name	OJ991120_30.0127.C19.o1.np	Method	AAT/NAP
Start	4604	End	7529
GI	6056208	Score	1104
Exons	4604..4995, 5089..5151, 5470..5580, 5876..5944, 6030..6095, 6814..6888, 6974..7072, 7165..7299, 7395..7529		
GI Descrip.	(AC009400) putative ATPase [Arabidopsis thaliana]		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18319	Strand	+
Start	4645	End	10820
Name	OJ991120_30.0127.C19.o2.gs	Method	GENSCAN
Start	4645	End	10817
GI	none	Score	.8
Exons	4645..4995, 5089..5151, 5470..5580, 5721..5795, 5852..5944, 6030..6095, 6814..6888, 6974..7072, 7165..7299, 7395..7520, 7581..7670, 8234..8387, 9483..9655, 9988..10079, 10338..10366, 10471..10817		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18319	Strand	+
Start	4645	End	10820
Name	OJ991120_30.0127.C19.o2.np	Method	AAT/NAP
Start	9266	End	10820
GI	6730706	Score	149
Exons	9266..9315, 10644..10820		
GI Descrip.	(AC011809) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18320	Strand	-
Start	1	End	101
Name	OJ991120_30.0127.C19.o1.gp	Method	AAT/GAP
Start	1	End	101
GI	LIB3477-003-P1-K1-E9	Score	177
Exons	1..101		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18321	Strand	
Start	4840	End	5583
Name	OJ991120_30.0127.C19.o1.tc	Method	TBLASTX:Cress

Start	4840	End	5583
GI	none	Score	265
Exons	4840..4995, 4890..4991, 5085..5150, 5089..5154, 5464..5583, 5469..5579		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18321	Strand	
Start	4840	End	5583
Name	OJ991120_30.0127.C19.o2.tm	Method	TBLASTX:Maize
Start	4840	End	4986
GI	none	Score	195
Exons	4840..4986, 4842..4985		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18322	Strand	
Start	6843	End	7534
Name	OJ991120_30.0127.C19.o1.tm	Method	TBLASTX:Maize
Start	6843	End	7436
GI	none	Score	70
Exons	6843..6899, 6843..6896, 6973..7074, 6974..7075, 7164..7301, 7165..7299, 7165..7305, 7392..7436, 7392..7436		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18322	Strand	
Start	6843	End	7534
Name	OJ991120_30.0127.C19.o2.tc	Method	TBLASTX:Cress
Start	7218	End	7534
GI	none	Score	114
Exons	7218..7301, 7219..7299, 7391..7534, 7392..7532		

Seq. No.	8603	Seq. ID	OJ991120_30.0127.C19
Gene No.	18322	Strand	
Start	6843	End	7534
Name	OJ991120_30.0127.C19.o1.ts	Method	TBLASTX:Soybean
Start	7228	End	7534
GI	none	Score	119
Exons	7228..7299, 7230..7301, 7388..7534, 7392..7532		

Seq. No.	8604	Seq. ID	OJ991120_30.0127.C20
Gene No.	18323	Strand	-
Start	357	End	1429
Name	OJ991120_30.0127.C20.o1.gp	Method	AAT/GAP
Start	357	End	1303
GI	9605_1.R1084	Score	1624
Exons	357..1154, 1240..1303		
GI Descrip.	'3202030 9.0e-78 (AF069318) geranylgeranyl hydrogenase [Mesembryanthemum crystallinum]'		

Seq. No.	8604	Seq. ID	OJ991120_30.0127.C20
Gene No.	18323	Strand	-
Start	357	End	1429
Name	OJ991120_30.0127.C20.o1.tm	Method	TBLASTX:Maize
Start	687	End	1428
GI	none	Score	601
Exons	687..734, 705..1151, 722..1150, 1228..1428, 1233..1427		

Seq. No.	8604	Seq. ID	OJ991120_30.0127.C20

Gene No.	18323	Strand	-
Start	357	End	1429
Name	OJ991120_30.0127.C20.o1.gs	Method	GENSCAN
Start	713	End	1349
GI	none	Score	.9
Exons	713..1148, 1234..1349		

Seq. No.	8604	Seq. ID	OJ991120_30.0127.C20
Gene No.	18323	Strand	-
Start	357	End	1429
Name	OJ991120_30.0127.C20.o1.ts	Method	TBLASTX:Soybean
Start	714	End	1428
GI	none	Score	229
Exons	714..1010, 722..1009, 1010..1150, 1017..1160, 1219..1338, 1233..1427, 1234..1428		

Seq. No.	8604	Seq. ID	OJ991120_30.0127.C20
Gene No.	18323	Strand	-
Start	357	End	1429
Name	OJ991120_30.0127.C20.o1.np	Method	AAT/NAP
Start	716	End	1429
GI	3202030	Score	907
Exons	716..1148, 1234..1429		
GI Descrip.	(AF069318) geranylgeranyl hydrogenase [Mesembryanthemum crystallinum]		

Seq. No.	8604	Seq. ID	OJ991120_30.0127.C20
Gene No.	18323	Strand	-
Start	357	End	1429
Name	OJ991120_30.0127.C20.o1.tc	Method	TBLASTX:Cress
Start	720	End	1428
GI	none	Score	396
Exons	720..1136, 722..1150, 1233..1427, 1234..1428		

Seq. No.	8605	Seq. ID	OJ991120_30.0127.C21
Gene No.	18324	Strand	-
Start	93	End	258
Name	OJ991120_30.0127.C21.o1.gs	Method	GENSCAN
Start	93	End	258
GI	none	Score	.58
Exons	93..258		

Seq. No.	8606	Seq. ID	OJ991120_30.0127.C22
Gene No.	18325	Strand	-
Start	94	End	235
Name	OJ991120_30.0127.C22.o1.gs	Method	GENSCAN
Start	94	End	235
GI	none	Score	.59
Exons	94..235		

Seq. No.	8607	Seq. ID	OJ991120_30.0127.C23
Gene No.	18326	Strand	+
Start	1	End	167
Name	OJ991120_30.0127.C23.o1.np	Method	AAT/NAP
Start	1	End	167
GI	6598797	Score	184
Exons	1..167		

GI Descrip. (AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]

Seq. No.	8607	Seq. ID	OJ991120_30.0127.C23
Gene No.	18326	Strand	+
Start	1	End	167
Name	OJ991120_30.0127.C23.o1.tc	Method	TBLASTX:Cress
Start	5	End	166
GI	none	Score	196
Exons	5..166, 13..162		

Seq. No.	8607	Seq. ID	OJ991120_30.0127.C23
Gene No.	18326	Strand	+
Start	1	End	167
Name	OJ991120_30.0127.C23.o1.ts	Method	TBLASTX:Soybean
Start	5	End	166
GI	none	Score	202
Exons	5..166, 13..162		

Seq. No.	8607	Seq. ID	OJ991120_30.0127.C23
Gene No.	18326	Strand	+
Start	1	End	167
Name	OJ991120_30.0127.C23.o1.gs	Method	GENSCAN
Start	23	End	136
GI	none	Score	.92
Exons	23..136		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18327	Strand	+
Start	505	End	13186
Name	OJ991120_30.0127.C25.o1.gs	Method	GENSCAN
Start	505	End	12400
GI	none	Score	.89
Exons	505..616, 1364..1647, 2355..2529, 3870..3992, 4043..4215, 4636..4782, 4880..5032, 5131..5381, 5854..6026, 6109..6233, 6383..6419, 6505..6617, 6675..6788, 6863..6976, 7265..7351, 7447..7624, 8156..8289, 8572..8670, 8744..8857, 8895..9035, 9117..9197, 9438..9528, 9649..9674, 9775..9813, 10487..10749, 10875..11016, 11140..11235, 11347..11940, 12083..12400		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18327	Strand	+
Start	505	End	13186
Name	OJ991120_30.0127.C25.o2.np	Method	AAT/NAP
Start	3842	End	13186
GI	6523035	Score	1419
Exons	3842..3886, 4093..4215, 4636..4782, 4880..5032, 5131..5381, 5854..6026, 6109..6233, 6383..6419, 6505..6596, 6675..6770, 7444..7628, 8166..8312, 8598..8670, 8744..8857, 8919..9035, 9117..9197, 9289..9360, 9438..9516, 10225..10750, 13088..13186		

GI Descrip. (AL132976) kinesin-like protein [Arabidopsis thaliana]

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18327	Strand	+
Start	505	End	13186
Name	OJ991120_30.0127.C25.o1.gp	Method	AAT/GAP
Start	4138	End	5193
GI	3760482	Score	786

Exons	4138..4215, 4636..4782, 4880..5032, 5131..5193		
GI Descrip.	1170659/sp|P33174|KIF4_MOUSE 2.0e-19 KINESIN-LIKE PROTEIN KIF4 >gi_1083417_pir__A54803 microtubule-associated motor KIF4 - mouse >gi_563773_dbj_BAA02167_ (D12646) KIF4 [Mus musculus]		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18327	Strand	+
Start	505	End	13186
Name	OJ991120_30.0127.C25.o2.gp	Method	AAT/GAP
Start	11140	End	11567
GI	none	Score	570
Exons	11140..11235, 11347..11567		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18328	Strand	+
Start	14732	End	17021
Name	OJ991120_30.0127.C25.o2.gs	Method	GENSCAN
Start	14732	End	17021
GI	none	Score	.42
Exons	14732..14826, 15611..15759, 16038..16094, 16807..17021		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18329	Strand	+
Start	26069	End	28228
Name	OJ991120_30.0127.C25.o4.gs	Method	GENSCAN
Start	26069	End	28228
GI	none	Score	.53
Exons	26069..26074, 26881..27037, 27666..27800, 28170..28228		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18330	Strand	-
Start	17635	End	24511
Name	OJ991120_30.0127.C25.o3.np	Method	AAT/NAP
Start	17635	End	21181
GI	4249385	Score	668
Exons	17635..17657, 19131..19421, 20007..20063, 20144..20185, 20301..20406, 20582..20755, 20851..20904, 21045..21181		
GI Descrip.	(AC005966) T2K10.11 [Arabidopsis thaliana]		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18330	Strand	-
Start	17635	End	24511
Name	OJ991120_30.0127.C25.o3.gs	Method	GENSCAN
Start	18981	End	24511
GI	none	Score	.6
Exons	18981..19497, 19703..19758, 20007..20063, 20301..20406, 20582..20755, 21045..21349, 23016..23179, 24227..24267, 24474..24511		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o2.tw	Method	TBLASTX:Wheat
Start	1	End	276
GI	none	Score	237
Exons	1..276, 3..179		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o2.tm	Method	TBLASTX:Maize
Start	970	End	1887
GI	none	Score	172
Exons	970..1314, 1300..1398, 1305..1397, 1444..1692, 1456..1749, 1768..1887		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o3.ts	Method	TBLASTX:Soybean
Start	1528	End	2088
GI	none	Score	103
Exons	1528..1755, 1765..1875, 1951..2088		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o3.tm	Method	TBLASTX:Maize
Start	1888	End	2239
GI	none	Score	256
Exons	1888..2094, 1888..2091, 2102..2143, 2126..2158, 2150..2239		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o1.tw	Method	TBLASTX:Wheat
Start	1900	End	2239
GI	none	Score	199
Exons	1900..2091, 1905..2015, 1924..2091, 2099..2206, 2122..2199, 2207..2239, 2216..2239		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o6.tm	Method	TBLASTX:Maize
Start	2433	End	2830
GI	none	Score	70
Exons	2433..2513, 2502..2561, 2543..2830		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o8.tm	Method	TBLASTX:Maize
Start	4122	End	4773
GI	none	Score	110
Exons	4122..4217, 4123..4224, 4630..4761, 4635..4772, 4636..4773		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o1.ts	Method	TBLASTX:Soybean
Start	5852	End	6919
GI	none	Score	54
Exons	5852..5893, 5935..5997, 5936..6028, 6104..6235, 6108..6233,		

6377..6418, 6379..6444, 6501..6599, 6503..6595, 6674..6751,
6675..6782, 6860..6919

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o1.tm	Method	TBLASTX:Maize
Start	8577	End	10575
GI	none	Score	83
Exons	8577..8669, 8578..8709, 8585..8668, 8736..8858, 8737..8805, 8739..8858, 8741..8860, 8887..9048, 8892..9038, 8968..9042, 9112..9195, 9115..9168, 9116..9199, 9117..9200, 9235..9363, 9267..9362, 9286..9363, 9438..9533, 9438..9527, 9442..9534, 9647..9670, 9772..9828, 9775..9831, 9833..9859, 9834..9860, 10484..10516, 10488..10526, 10488..10514, 10502..10567, 10533..10571, 10534..10575		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o4.tm	Method	TBLASTX:Maize
Start	11344	End	12413
GI	none	Score	71
Exons	11344..11433, 11345..11434, 11347..11436, 11431..11454, 11497..11613, 11505..11621, 11510..11647, 11516..11593, 11643..11753, 11674..11754, 11836..11943, 11856..11942, 12083..12136, 12089..12148, 12211..12246, 12212..12247, 12265..12330, 12266..12331, 12304..12402, 12309..12413		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o5.tm	Method	TBLASTX:Maize
Start	19251	End	20643
GI	none	Score	38
Exons	19251..19277, 19288..19308, 19317..19424, 19318..19422, 19365..19424, 19972..20064, 20004..20066, 20133..20183, 20144..20185, 20301..20405, 20302..20406, 20305..20409, 20575..20643, 20582..20641		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o1.tc	Method	TBLASTX:Cress
Start	20566	End	21182
GI	none	Score	60
Exons	20566..20649, 20576..20644, 20704..20754, 20710..20757, 20844..20888, 21044..21181, 21050..21181, 21069..21182		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o7.tm	Method	TBLASTX:Maize
Start	20698	End	21210
GI	none	Score	64
Exons	20698..20721, 20710..20754, 20717..20755, 20844..20906, 20850..20903, 21044..21181, 21053..21181, 21055..21210,		

21069..21182

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o2.ts	Method	TBLASTX:Soybean
Start	20701	End	21182
GI	none	Score	93
Exons	20701..20754, 20844..20888, 21044..21181, 21053..21181, 21069..21182		

Seq. No.	8608	Seq. ID	OJ991120_30.0127.C25
Gene No.	18331	Strand	-
Start	28711	End	29581
Name	OJ991120_30.0127.C25.o5.gs	Method	GENSCAN
Start	28711	End	29581
GI	none	Score	.66
Exons	28711..28787, 28966..29063, 29252..29449, 29518..29581		

Seq. No.	8609	Seq. ID	OJ991120_30.0127.C26
Gene No.	18332	Strand	-
Start	273	End	778
Name	OJ991120_30.0127.C26.o1.gs	Method	GENSCAN
Start	273	End	778
GI	none	Score	.72
Exons	273..410, 608..778		

Seq. No.	8610	Seq. ID	OJ991120_30.0127.C28
Gene No.	18333	Strand	-
Start	25	End	329
Name	OJ991120_30.0127.C28.o1.gs	Method	GENSCAN
Start	25	End	329
GI	none	Score	.62
Exons	25..121, 241..329		

Seq. No.	8611	Seq. ID	OJ991120_30.0127.C29
Gene No.	18334	Strand	-
Start	138	End	864
Name	OJ991120_30.0127.C29.o1.gs	Method	GENSCAN
Start	138	End	864
GI	none	Score	.79
Exons	138..318, 457..542, 551..764, 782..864		

Seq. No.	8612	Seq. ID	OJ991120_30.0127.C33
Gene No.	18335	Strand	-
Start	1	End	412
Name	OJ991120_30.0127.C33.o1.np	Method	AAT/NAP
Start	1	End	412
GI	3859659	Score	181
Exons	1..234, 386..412		
GI Descrip.	(AL031394) putative potassium transporter AtKT5p (AtKT5) [Arabidopsis thaliana]		

Seq. No.	8612	Seq. ID	OJ991120_30.0127.C33
Gene No.	18335	Strand	-
Start	1	End	412
Name	OJ991120_30.0127.C33.o1.ts	Method	TBLASTX:Soybean

Start	2	End	203
GI	none	Score	141
Exons	2..199, 3..203		

Seq. No.	8613	Seq. ID	OJ991120_30.0127.C36
Gene No.	18336	Strand	+
Start	104	End	649
Name	OJ991120_30.0127.C36.o1.gs	Method	GENSCAN
Start	104	End	649
GI	none	Score	.91
Exons	104..155, 246..425, 520..649		

Seq. No.	8614	Seq. ID	OJ991120_30.0127.C38
Gene No.	18337	Strand	+
Start	1	End	439
Name	OJ991120_30.0127.C38.o1.np	Method	AAT/NAP
Start	1	End	439
GI	5738522	Score	423
Exons	1..439		
GI Descrip.	(AL109846) putative pre-mrna splicing factor atp-dependent rna helicase [Schizosaccharomyces pombe]		

Seq. No.	8614	Seq. ID	OJ991120_30.0127.C38
Gene No.	18337	Strand	+
Start	1	End	439
Name	OJ991120_30.0127.C38.o1.ts	Method	TBLASTX:Soybean
Start	2	End	435
GI	none	Score	232
Exons	2..316, 3..236, 7..291, 237..428, 274..435		

Seq. No.	8614	Seq. ID	OJ991120_30.0127.C38
Gene No.	18337	Strand	+
Start	1	End	439
Name	OJ991120_30.0127.C38.o1.tc	Method	TBLASTX:Cress
Start	3	End	435
GI	none	Score	170
Exons	3..233, 9..104, 134..238, 146..265, 289..435, 295..420, 360..428		

Seq. No.	8614	Seq. ID	OJ991120_30.0127.C38
Gene No.	18337	Strand	+
Start	1	End	439
Name	OJ991120_30.0127.C38.o1.gs	Method	GENSCAN
Start	93	End	264
GI	none	Score	.53
Exons	93..264		

Seq. No.	8614	Seq. ID	OJ991120_30.0127.C38
Gene No.	18337	Strand	+
Start	1	End	439
Name	OJ991120_30.0127.C38.o1.tm	Method	TBLASTX:Maize
Start	280	End	435
GI	none	Score	234
Exons	280..432, 289..435, 294..434		

Seq. No.	8615	Seq. ID	OJ991120_30.0127.C42
Gene No.	18338	Strand	-
Start	406	End	1259

Name	OJ991120_30.0127.C42.o1.gs	Method	GENSCAN
Start	406	End	1259
GI	none	Score	.56
Exons	406..468, 893..1259		

Seq. No.	8616	Seq. ID	OJ991120_30.0127.C44
Gene No.	18339	Strand	+
Start	909	End	1141
Name	OJ991120_30.0127.C44.o1.gs	Method	GENSCAN
Start	909	End	1141
GI	none	Score	.46
Exons	909..955, 1062..1141		

Seq. No.	8617	Seq. ID	OJ991120_30.0127.C45
Gene No.	18340	Strand	-
Start	268	End	422
Name	OJ991120_30.0127.C45.o1.gs	Method	GENSCAN
Start	268	End	422
GI	none	Score	.95
Exons	268..422		

Seq. No.	8618	Seq. ID	OJ991120_30.0127.C46
Gene No.	18341	Strand	+
Start	96	End	207
Name	OJ991120_30.0127.C46.o1.gs	Method	GENSCAN
Start	96	End	207
GI	none	Score	.93
Exons	96..207		

Seq. No.	8619	Seq. ID	OJ991120_30.0127.C47
Gene No.	18342	Strand	+
Start	250	End	506
Name	OJ991120_30.0127.C47.o1.gs	Method	GENSCAN
Start	250	End	506
GI	none	Score	.48
Exons	250..441, 496..506		

Seq. No.	8620	Seq. ID	OJ991120_30.0127.C48
Gene No.	18343	Strand	+
Start	473	End	536
Name	OJ991120_30.0127.C48.o1.np	Method	AAT/NAP
Start	473	End	536
GI	2498930	Score	44
Exons	473..536		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8621	Seq. ID	OJ991120_30.0127.C49
Gene No.	18345	Strand	-
Start	368	End	423
Name	OJ991120_30.0127.C49.o1.gs	Method	GENSCAN
Start	368	End	423
GI	none	Score	.65
Exons	368..423		

Seq. No.	8622	Seq. ID	OJ991120_30.0127.C51
Gene No.	18346	Strand	+

Start	667	End	938
Name	OJ991120_30.0127.C51.o1.gs	Method	GENSCAN
Start	667	End	938
GI	none	Score	.74
Exons	667..775, 877..938		

Seq. No.	8623	Seq. ID	OJ991210_14.0110.C1
Gene No.	18347	Strand	-
Start	1	End	6023
Name	OJ991210_14.0110.C1.o1.np	Method	AAT/NAP
Start	1	End	2954
GI	2130067	Score	1528
Exons	1..145, 234..393, 833..1005, 1088..1192, 1454..1559, 1776..1982, 2547..2632, 2763..2954		
GI Descrip.	aspartate transaminase (EC 2.6.1.1), mitochondrial - rice gi|2696240|dbj|BAA23815.1| (D67043) aspartate aminotransferase [Oryza sativa]		

Seq. No.	8623	Seq. ID	OJ991210_14.0110.C1
Gene No.	18347	Strand	-
Start	1	End	6023
Name	OJ991210_14.0110.C1.o1.tc	Method	TBLASTX:Cress
Start	47	End	2850
GI	none	Score	61
Exons	47..142, 50..148, 231..401, 241..399, 833..1000, 835..1002, 846..1013, 847..1008, 1088..1198, 1089..1193, 1454..1576, 1459..1563, 1461..1577, 1775..1981, 1776..1985, 1778..1981, 2546..2632, 2763..2849, 2764..2850		

Seq. No.	8623	Seq. ID	OJ991210_14.0110.C1
Gene No.	18347	Strand	-
Start	1	End	6023
Name	OJ991210_14.0110.C1.o1.tm	Method	TBLASTX:Maize
Start	47	End	2865
GI	none	Score	120
Exons	47..148, 50..148, 233..394, 234..401, 241..399, 827..1003, 833..1003, 834..1007, 835..1008, 835..1008, 1081..1194, 1085..1204, 1086..1193, 1454..1564, 1454..1567, 1467..1568, 1776..1985, 1777..1986, 1778..1987, 2546..2632, 2546..2632, 2763..2864, 2764..2865		

Seq. No.	8623	Seq. ID	OJ991210_14.0110.C1
Gene No.	18347	Strand	-
Start	1	End	6023
Name	OJ991210_14.0110.C1.o2.ts	Method	TBLASTX:Soybean
Start	47	End	2865
GI	none	Score	57
Exons	47..142, 50..148, 231..395, 241..399, 1775..1981, 1776..1985, 1778..1981, 2555..2608, 2609..2632, 2763..2864, 2764..2865		

Seq. No.	8623	Seq. ID	OJ991210_14.0110.C1
Gene No.	18347	Strand	-
Start	1	End	6023
Name	OJ991210_14.0110.C1.o1.gp	Method	AAT/GAP
Start	50	End	369
GI	173_1.R1084	Score	427
Exons	50..145, 234..369		

GI Descrip.	'2696238/dbj|BAA23814.1| 5.0e-62 (D67042) aspartate aminotransferase [Oryza sativa]'		
Seq. No.	8623	Seq. ID	OJ991210_14.0110.C1
Gene No.	18347	Strand	-
Start	1	End	6023
Name	OJ991210_14.0110.C1.o1.gs	Method	GENSCAN
Start	50	End	6023
GI	none	Score	.57
Exons	50..145, 234..393, 833..1005, 1088..1192, 1454..1577, 1776..1982, 2547..2632, 2763..3005, 3672..3840, 3890..4006, 4049..4187, 4237..4381, 5889..6023		
Seq. No.	8623	Seq. ID	OJ991210_14.0110.C1
Gene No.	18347	Strand	-
Start	1	End	6023
Name	OJ991210_14.0110.C1.o1.ts	Method	TBLASTX:Soybean
Start	830	End	1561
GI	none	Score	206
Exons	830..1003, 832..1008, 862..1008, 1077..1193, 1085..1198, 1086..1193, 1454..1561		
Seq. No.	8623	Seq. ID	OJ991210_14.0110.C1
Gene No.	18347	Strand	-
Start	1	End	6023
Name	OJ991210_14.0110.C1.o2.gp	Method	AAT/GAP
Start	1904	End	2928
GI	5005404	Score	508
Exons	1904..1982, 2547..2632, 2763..2928		
GI Descrip.	100726/pir||S22377 8.0e-15 aspartate transaminase (EC 2.6.1.1) AAT1 precursor - proso millet >gi_20597_emb_CAA45022_ (X63428) aspartate aminotransferase [Panicum miliaceum]		
Seq. No.	8624	Seq. ID	OJ991210_14.0110.C2
Gene No.	18348	Strand	+
Start	2605	End	7810
Name	OJ991210_14.0110.C2.o1.np	Method	AAT/NAP
Start	2605	End	7810
GI	6498441	Score	1281
Exons	2605..2671, 4713..5311, 5633..6086, 6148..6237, 7630..7810		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	8624	Seq. ID	OJ991210_14.0110.C2
Gene No.	18349	Strand	-
Start	2544	End	3254
Name	OJ991210_14.0110.C2.o2.gs	Method	GENSCAN
Start	2544	End	3254
GI	none	Score	.97
Exons	2544..3254		
Seq. No.	8624	Seq. ID	OJ991210_14.0110.C2
Gene No.	18350	Strand	
Start	5518	End	7668
Name	OJ991210_14.0110.C2.o1.tw	Method	TBLASTX:Wheat
Start	5518	End	7668

GI	none	Score	364
Exons	5518..5655, 5519..6013, 5713..5967, 6121..6237, 6129..6239, 6133..6255, 7623..7667, 7624..7668		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18351	Strand	+
Start	655	End	897
Name	OJ991210_14.0110.C3.o1.gs	Method	GENSCAN
Start	655	End	897
GI	none	Score	.75
Exons	655..897		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o1.np	Method	AAT/NAP
Start	1462	End	3141
GI	3033375	Score	1004
Exons	1462..3017, 3057..3141		
GI Descrip.	(AC004238) putative berberine bridge enzyme [Arabidopsis thaliana]		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o2.gs	Method	GENSCAN
Start	1462	End	3129
GI	none	Score	.96
Exons	1462..3129		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	1465	End	2277
GI	none	Score	97
Exons	1465..1629, 1466..1594, 1604..1687, 1609..1704, 1738..1980, 2017..2139, 2023..2139, 2200..2259, 2206..2277		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o1.tc	Method	TBLASTX:Cress
Start	1471	End	2172
GI	none	Score	91
Exons	1471..1593, 1472..1600, 1609..1710, 1610..1681, 1747..1956, 1975..2172		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o1.ts	Method	TBLASTX:Soybean
Start	1474	End	2079
GI	none	Score	160
Exons	1474..1713, 1475..1681, 1477..1704, 1747..2079		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3

Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o1.tw	Method	TBLASTX:Wheat
Start	1546	End	1977
GI	none	Score	49
Exons	1546..1629, 1550..1579, 1598..1675, 1609..1710, 1618..1710, 1747..1977		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o2.ts	Method	TBLASTX:Soybean
Start	2299	End	2964
GI	none	Score	44
Exons	2299..2586, 2312..2416, 2519..2578, 2596..2634, 2734..2964		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o2.tc	Method	TBLASTX:Cress
Start	2422	End	2986
GI	none	Score	72
Exons	2422..2586, 2501..2578, 2602..2634, 2725..2964, 2744..2986		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o2.tm	Method	TBLASTX:Maize
Start	2527	End	2961
GI	none	Score	61
Exons	2527..2586, 2528..2581, 2602..2631, 2602..2631, 2732..2920, 2734..2961		

Seq. No.	8625	Seq. ID	OJ991210_14.0110.C3
Gene No.	18352	Strand	-
Start	1462	End	3204
Name	OJ991210_14.0110.C3.o1.gp	Method	AAT/GAP
Start	2739	End	3204
GI	uC-osroM202026a11b1	Score	864
Exons	2739..3204		
GI Descrip.	'5262222/emb|CAB45848.1| 2.0e-15 (AL080254) reticuline oxidase-like protein [Arabidopsis thaliana]'		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18353	Strand	+
Start	403	End	7933
Name	OJ991210_14.0110.C4.o1.gs	Method	GENSCAN
Start	403	End	7933
GI	none	Score	.5
Exons	403..495, 3815..3892, 4669..4723, 5071..5162, 5767..5927, 7141..7249, 7352..7933		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18354	Strand	+
Start	12056	End	13164
Name	OJ991210_14.0110.C4.o3.gs	Method	GENSCAN
Start	12056	End	13164

GI	none	Score	.7
Exons	12056..12246, 12517..12671, 13055..13164		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18354	Strand	+
Start	12056	End	13164
Name	OJ991210_14.0110.C4.o3.gp	Method	AAT/GAP
Start	12690	End	13004
GI	72524_1.R1084	Score	406
Exons	12690..13004		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18355	Strand	-
Start	1	End	272
Name	OJ991210_14.0110.C4.o1.gp	Method	AAT/GAP
Start	1	End	272
GI	799_3.R1084	Score	425
Exons	1..272		
GI Descrip.	'6093997/sp|O22540|RL11_ORYSA 2.0e-16 60S RIBOSOMAL PROTEIN L11 >gi_2570507 (AF022736) ribosomal protein [Oryza sativa]'		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18356	Strand	-
Start	7567	End	17785
Name	OJ991210_14.0110.C4.o1.np	Method	AAT/NAP
Start	7567	End	17785
GI	5091513	Score	1492
Exons	7567..7792, 9921..10045, 14529..14654, 15519..16352, 16504..16584, 16775..16851, 17076..17785		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18356	Strand	-
Start	7567	End	17785
Name	OJ991210_14.0110.C4.o2.gp	Method	AAT/GAP
Start	9655	End	10344
GI	799_1.R1084	Score	551
Exons	9655..9879, 9979..10021, 10110..10217, 10312..10344		
GI Descrip.	'1172816/sp|P42795|R111_ARATH 1.0e-84 60S RIBOSOMAL PROTEIN L11A (L16A) >gi_624938_emb_CAA57395_ (X81799) ribosomal protein L16 [Arabidopsis thaliana]'		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18356	Strand	-
Start	7567	End	17785
Name	OJ991210_14.0110.C4.o2.gs	Method	GENSCAN
Start	9680	End	10314
GI	none	Score	.93
Exons	9680..9879, 9979..10021, 10110..10217, 10234..10314		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18357	Strand	-
Start	18519	End	18833
Name	OJ991210_14.0110.C4.o1.ts	Method	TBLASTX:Soybean
Start	27	End	10251

GI	none	Score	165
Exons	27..242, 57..146, 59..244, 9674..9877, 9675..9881, 9974..10024, 9975..10022, 10107..10217, 10114..10251		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18357	Strand	-
Start	18519	End	18833
Name	OJ991210_14.0110.C4.o1.tc	Method	TBLASTX:Cress
Start	45	End	10218
GI	none	Score	156
Exons	45..245, 60..227, 208..246, 9674..9877, 9675..9890, 9680..9892, 9974..10024, 9977..10039, 10107..10217, 10114..10218		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18357	Strand	-
Start	18519	End	18833
Name	OJ991210_14.0110.C4.o1.tw	Method	TBLASTX:Wheat
Start	54	End	10220
GI	none	Score	190
Exons	54..245, 57..224, 58..243, 9674..9877, 9675..9881, 9680..9889, 9974..10024, 9975..10022, 10107..10220, 10114..10212		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18357	Strand	-
Start	18519	End	18833
Name	OJ991210_14.0110.C4.o1.tm	Method	TBLASTX:Maize
Start	72	End	10226
GI	none	Score	67
Exons	72..158, 75..146, 195..245, 208..246, 9674..9877, 9675..9734, 9801..9881, 9974..10024, 9975..10022, 9977..10024, 10107..10226, 10117..10197		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18357	Strand	-
Start	18519	End	18833
Name	OJ991210_14.0110.C4.o2.tm	Method	TBLASTX:Maize
Start	7637	End	8026
GI	none	Score	39
Exons	7637..7699, 7730..8026, 7746..7919, 7787..8026		

Seq. No.	8626	Seq. ID	OJ991210_14.0110.C4
Gene No.	18357	Strand	-
Start	18519	End	18833
Name	OJ991210_14.0110.C4.o4.gp	Method	AAT/GAP
Start	18519	End	18833
GI	72524_1.R1084	Score	401
Exons	18519..18833		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	8627	Seq. ID	OJ991210_14.0110.C5
Gene No.	18358	Strand	-
Start	101	End	2333
Name	OJ991210_14.0110.C5.o1.tm	Method	TBLASTX:Maize
Start	95	End	1690
GI	none	Score	70
Exons	95..163, 98..157, 99..161, 246..386, 250..411, 251..391,		

800..862, 802..861, 942..1004, 949..1026, 950..1030, 950..1039, 1080..1394, 1112..1309, 1118..1396, 1122..1394, 1364..1396, 1462..1521, 1466..1525, 1470..1529, 1503..1556, 1619..1690, 1620..1688, 1621..1689

Seq. No.	8627	Seq. ID	OJ991210_14.0110.C5
Gene No.	18358	Strand	-
Start	101	End	2333
Name	OJ991210_14.0110.C5.o1.tc	Method	TBLASTX:Cress
Start	98	End	1703
GI	none	Score	46
Exons	98..157, 103..162, 250..411, 251..391, 252..392, 800..862, 802..861, 945..1013, 949..1026, 950..1027, 952..1029, 1118..1402, 1121..1309, 1134..1397, 1174..1398, 1444..1530, 1469..1531, 1470..1529, 1619..1702, 1626..1703		

Seq. No.	8627	Seq. ID	OJ991210_14.0110.C5
Gene No.	18358	Strand	-
Start	101	End	2333
Name	OJ991210_14.0110.C5.o1.ts	Method	TBLASTX:Soybean
Start	98	End	1739
GI	none	Score	110
Exons	98..157, 250..390, 250..411, 254..391, 725..775, 800..862, 802..861, 945..989, 949..1026, 950..1027, 950..1039, 952..1029, 1118..1402, 1121..1309, 1131..1394, 1465..1530, 1470..1529, 1619..1702, 1622..1702, 1623..1739		

Seq. No.	8627	Seq. ID	OJ991210_14.0110.C5
Gene No.	18358	Strand	-
Start	101	End	2333
Name	OJ991210_14.0110.C5.o1.np	Method	AAT/NAP
Start	101	End	2333
GI	2182029	Score	1025
Exons	101..154, 250..390, 805..861, 952..1026, 1121..1393, 1470..1529, 1619..1710, 2238..2333		
GI Descrip.	(Y13437) shaggy-like kinase etha (OSKetha) [Oryza sativa]		

Seq. No.	8627	Seq. ID	OJ991210_14.0110.C5
Gene No.	18358	Strand	-
Start	101	End	2333
Name	OJ991210_14.0110.C5.o1.gs	Method	GENSCAN
Start	281	End	2095
GI	none	Score	.86
Exons	281..390, 805..861, 952..1026, 1121..1393, 1470..1529, 1619..1708, 2060..2095		

Seq. No.	8627	Seq. ID	OJ991210_14.0110.C5
Gene No.	18358	Strand	-
Start	101	End	2333
Name	OJ991210_14.0110.C5.o1.tw	Method	TBLASTX:Wheat
Start	997	End	1694
GI	none	Score	301
Exons	997..1026, 1118..1402, 1134..1394, 1138..1395, 1470..1529, 1474..1530, 1619..1690, 1620..1694		

Seq. No.	8628	Seq. ID	OJ991210_14.0110.C7
Gene No.	18359	Strand	+

Start	227	End	1365
Name	OJ991210_14.0110.C7.o1.np	Method	AAT/NAP
Start	227	End	1365
GI	5042463	Score	109
Exons	227..404, 1069..1225, 1259..1365		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	8628	Seq. ID	OJ991210_14.0110.C7
Gene No.	18360	Strand	-
Start	2533	End	7098
Name	OJ991210_14.0110.C7.o2.np	Method	AAT/NAP
Start	2533	End	7098
GI	5091513	Score	1348
Exons	2533..2755, 3883..5400, 6199..6540, 6937..7098		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8629	Seq. ID	OJ991210_14.0110.C9
Gene No.	18361	Strand	-
Start	722	End	871
Name	OJ991210_14.0110.C9.o1.gs	Method	GENSCAN
Start	722	End	871
GI	none	Score	.97
Exons	722..871		

Seq. No.	8630	Seq. ID	OJ991210_14.0110.C10
Gene No.	18362	Strand	+
Start	521	End	841
Name	OJ991210_14.0110.C10.o1.gs	Method	GENSCAN
Start	521	End	841
GI	none	Score	.69
Exons	521..658, 685..841		

Seq. No.	8631	Seq. ID	OJ991210_14.0110.C12
Gene No.	18363	Strand	+
Start	1	End	510
Name	OJ991210_14.0110.C12.o1.gp	Method	AAT/GAP
Start	1	End	510
GI	173_1.R1084	Score	743
Exons	1..38, 125..510		
GI Descrip.	'2696238/dbj|BAA23814.1| 5.0e-62 (D67042) aspartate aminotransferase [Oryza sativa]'		

Seq. No.	8631	Seq. ID	OJ991210_14.0110.C12
Gene No.	18363	Strand	+
Start	1	End	510
Name	OJ991210_14.0110.C12.o1.np	Method	AAT/NAP
Start	1	End	194
GI	2696238	Score	121
Exons	1..38, 125..194		
GI Descrip.	(D67042) aspartate aminotransferase [Oryza sativa]		

Seq. No.	8631	Seq. ID	OJ991210_14.0110.C12
Gene No.	18363	Strand	+
Start	1	End	510
Name	OJ991210_14.0110.C12.o1.gs	Method	GENSCAN
Start	126	End	475
GI	none	Score	.4

Exons	126..179, 299..475		
Seq. No.	8631	Seq. ID	OJ991210_14.0110.C12
Gene No.	18364	Strand	-
Start	639	End	1483
Name	OJ991210_14.0110.C12.o2.gs	Method	GENSCAN
Start	639	End	1313
GI	none	Score	.97
Exons	639..848, 1068..1313		
Seq. No.	8631	Seq. ID	OJ991210_14.0110.C12
Gene No.	18364	Strand	-
Start	639	End	1483
Name	OJ991210_14.0110.C12.o1.ts	Method	TBLASTX:Soybean
Start	996	End	1481
GI	none	Score	50
Exons	996..1064, 997..1047, 1140..1313, 1147..1263, 1413..1481		
Seq. No.	8631	Seq. ID	OJ991210_14.0110.C12
Gene No.	18364	Strand	-
Start	639	End	1483
Name	OJ991210_14.0110.C12.o1.tw	Method	TBLASTX:Wheat
Start	996	End	1481
GI	none	Score	43
Exons	996..1076, 997..1047, 1140..1313, 1162..1248, 1413..1481		
Seq. No.	8631	Seq. ID	OJ991210_14.0110.C12
Gene No.	18364	Strand	-
Start	639	End	1483
Name	OJ991210_14.0110.C12.o2.np	Method	AAT/NAP
Start	999	End	1483
GI	2462749	Score	177
Exons	999..1313, 1416..1483		
GI Descrip.	(AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		
Seq. No.	8631	Seq. ID	OJ991210_14.0110.C12
Gene No.	18364	Strand	-
Start	639	End	1483
Name	OJ991210_14.0110.C12.o1.tm	Method	TBLASTX:Maize
Start	1125	End	1482
GI	none	Score	135
Exons	1125..1313, 1126..1263, 1131..1313, 1413..1481, 1414..1482		
Seq. No.	8632	Seq. ID	OJ991210_14.0110.C13
Gene No.	18365	Strand	-
Start	1	End	7411
Name	OJ991210_14.0110.C13.o2.np	Method	AAT/NAP
Start	1	End	7411
GI	3063699	Score	179
Exons	1..31, 247..528, 7392..7411		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		
Seq. No.	8632	Seq. ID	OJ991210_14.0110.C13
Gene No.	18365	Strand	-
Start	1	End	7411
Name	OJ991210_14.0110.C13.o1.tm	Method	TBLASTX:Maize

Start	220	End	516
GI	none	Score	309
Exons	220..495, 220..516		

Seq. No.	8632	Seq. ID	OJ991210_14.0110.C13
Gene No.	18365	Strand	-
Start	1	End	7411
Name	OJ991210_14.0110.C13.o1.ts	Method	TBLASTX:Soybean
Start	224	End	540
GI	none	Score	162
Exons	224..379, 226..384, 376..540		

Seq. No.	8632	Seq. ID	OJ991210_14.0110.C13
Gene No.	18365	Strand	-
Start	1	End	7411
Name	OJ991210_14.0110.C13.o1.gs	Method	GENSCAN
Start	228	End	3364
GI	none	Score	.63
Exons	228..563, 656..808, 877..950, 1151..1210, 1310..1381, 1469..1612, 2849..2920, 3034..3166, 3256..3364		

Seq. No.	8632	Seq. ID	OJ991210_14.0110.C13
Gene No.	18365	Strand	-
Start	1	End	7411
Name	OJ991210_14.0110.C13.o1.np	Method	AAT/NAP
Start	228	End	3364
GI	2462749	Score	616
Exons	228..599, 686..839, 902..950, 1310..1381, 1469..1612, 3034..3166, 3256..3364		
GI Descrip.	(AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	8632	Seq. ID	OJ991210_14.0110.C13
Gene No.	18365	Strand	-
Start	1	End	7411
Name	OJ991210_14.0110.C13.o1.tc	Method	TBLASTX:Cress
Start	229	End	553
GI	none	Score	100
Exons	229..378, 236..379, 376..540, 470..553		

Seq. No.	8632	Seq. ID	OJ991210_14.0110.C13
Gene No.	18365	Strand	-
Start	1	End	7411
Name	OJ991210_14.0110.C13.o2.tc	Method	TBLASTX:Cress
Start	1546	End	3292
GI	none	Score	52
Exons	1546..1611, 2848..2919, 2873..2917, 3033..3173, 3037..3171, 3251..3292		

Seq. No.	8633	Seq. ID	OJ991210_14.0110.C14
Gene No.	18366	Strand	-
Start	547	End	840
Name	OJ991210_14.0110.C14.o1.gs	Method	GENSCAN
Start	547	End	840
GI	none	Score	.6
Exons	547..840		

Seq. No.	8634	Seq. ID	OJ991210_14.0110.C15
Gene No.	18367	Strand	+
Start	4297	End	5614
Name	OJ991210_14.0110.C15.o2.np	Method	AAT/NAP
Start	4297	End	5614
GI	6907088	Score	760
Exons	4297..4434, 4609..4846, 5332..5614		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8634	Seq. ID	OJ991210_14.0110.C15
Gene No.	18368	Strand	-
Start	3772	End	4365
Name	OJ991210_14.0110.C15.o1.tm	Method	TBLASTX:Maize
Start	68	End	390
GI	none	Score	162
Exons	68..157, 160..390		

Seq. No.	8634	Seq. ID	OJ991210_14.0110.C15
Gene No.	18368	Strand	-
Start	3772	End	4365
Name	OJ991210_14.0110.C15.o2.gs	Method	GENSCAN
Start	3772	End	4365
GI	none	Score	.79
Exons	3772..3845, 4311..4365		

Seq. No.	8635	Seq. ID	OJ991210_14.0110.C16
Gene No.	18369	Strand	-
Start	2185	End	5081
Name	OJ991210_14.0110.C16.o1.np	Method	AAT/NAP
Start	2185	End	5081
GI	4538984	Score	1435
Exons	2185..2692, 2741..3160, 3278..3770, 3844..4498, 4993..5081		
GI Descrip.	(AL049487) putative protein [Arabidopsis thaliana]		

Seq. No.	8635	Seq. ID	OJ991210_14.0110.C16
Gene No.	18369	Strand	-
Start	2185	End	5081
Name	OJ991210_14.0110.C16.o2.tm	Method	TBLASTX:Maize
Start	2569	End	2865
GI	none	Score	107
Exons	2569..2733, 2570..2731, 2584..2754, 2797..2865		

Seq. No.	8635	Seq. ID	OJ991210_14.0110.C16
Gene No.	18369	Strand	-
Start	2185	End	5081
Name	OJ991210_14.0110.C16.o1.tm	Method	TBLASTX:Maize
Start	3655	End	4119
GI	none	Score	294
Exons	3655..4119, 3655..4119		

Seq. No.	8636	Seq. ID	OJ991210_14.0110.C17
Gene No.	18370	Strand	+
Start	540	End	630
Name	OJ991210_14.0110.C17.o1.gp	Method	AAT/GAP
Start	540	End	630
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	540..630		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18371	Strand	+
Start	232	End	2655
Name	OJ991210_14.0110.C18.o1.gp	Method	AAT/GAP
Start	232	End	1752
GI	52591_1.R1084	Score	1231
Exons	232..539, 667..858, 1586..1752		
GI Descrip.	'5453379/gb|AAD43561.1|AF155124_1 7.0e-54 (AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]'		

Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18371	Strand	+
Start	232	End	2655
Name	OJ991210_14.0110.C18.o1.gs	Method	GENSCAN
Start	318	End	2137
GI	none	Score	.88
Exons	318..539, 667..858, 1586..2137		

Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18371	Strand	+
Start	232	End	2655
Name	OJ991210_14.0110.C18.o1.np	Method	AAT/NAP
Start	333	End	2134
GI	5453379	Score	1025
Exons	333..539, 667..858, 1586..2134		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]		

Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18371	Strand	+
Start	232	End	2655
Name	OJ991210_14.0110.C18.o2.gp	Method	AAT/GAP
Start	2029	End	2655
GI	none	Score	1094
Exons	2029..2655		

Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18372	Strand	+
Start	3857	End	3958
Name	OJ991210_14.0110.C18.o3.gp	Method	AAT/GAP
Start	3857	End	3958
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	3857..3958		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18373	Strand	-
Start	1	End	3269
Name	OJ991210_14.0110.C18.o2.np	Method	AAT/NAP
Start	1	End	3269
GI	6721547	Score	73

Exons	1..32, 3185..3269		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18373	Strand	-
Start	1	End	3269
Name	OJ991210_14.0110.C18.o1.tc	Method	TBLASTX:Cress
Start	384	End	2152
GI	none	Score	136
Exons	384..536, 661..843, 666..842, 1588..1785, 1589..1636, 1715..1807, 1808..1987, 1982..2152		
Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18373	Strand	-
Start	1	End	3269
Name	OJ991210_14.0110.C18.o1.ts	Method	TBLASTX:Soybean
Start	384	End	2185
GI	none	Score	160
Exons	384..539, 431..538, 661..861, 666..851, 1586..1636, 1588..1875, 1718..1879, 1859..2185, 1867..1893, 1960..2106		
Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18373	Strand	-
Start	1	End	3269
Name	OJ991210_14.0110.C18.o1.tm	Method	TBLASTX:Maize
Start	393	End	2134
GI	none	Score	73
Exons	393..476, 395..496, 483..536, 488..535, 661..702, 748..852, 756..851, 1577..1630, 1579..1617, 1657..1869, 1715..1870, 1868..2134, 1963..2133, 2066..2134		
Seq. No.	8637	Seq. ID	OJ991210_14.0110.C18
Gene No.	18373	Strand	-
Start	1	End	3269
Name	OJ991210_14.0110.C18.o1.tw	Method	TBLASTX:Wheat
Start	769	End	1822
GI	none	Score	108
Exons	769..861, 774..860, 1585..1821, 1586..1822		
Seq. No.	8638	Seq. ID	OJ991210_14.0110.C19
Gene No.	18374	Strand	+
Start	3806	End	4248
Name	OJ991210_14.0110.C19.o1.gp	Method	AAT/GAP
Start	3806	End	4248
GI	52102_1.R1084	Score	653
Exons	3806..4088, 4190..4248		
GI Descrip.	'5453379/gb|AAD43561.1|AF155124_1 2.0e-19 (AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]'		
Seq. No.	8638	Seq. ID	OJ991210_14.0110.C19
Gene No.	18374	Strand	+
Start	3806	End	4248
Name	OJ991210_14.0110.C19.o1.np	Method	AAT/NAP
Start	3882	End	4248
GI	5453379	Score	187
Exons	3882..4088, 4190..4248		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium		

hirsutum]

Seq. No.	8638	Seq. ID	OJ991210_14.0110.C19
Gene No.	18374	Strand	+
Start	3806	End	4248
Name	OJ991210_14.0110.C19.o1.tm	Method	TBLASTX:Maize
Start	3951	End	4243
GI	none	Score	153
Exons	3951..4085, 3953..4120, 4153..4242, 4187..4243		

Seq. No.	8639	Seq. ID	OJ991210_14.0110.C20
Gene No.	18375	Strand	+
Start	1	End	1036
Name	OJ991210_14.0110.C20.o1.gp	Method	AAT/GAP
Start	1	End	663
GI	25033_1.R1084	Score	1265
Exons	1..663		
GI Descrip.	'5453379/gb|AAD43561.1|AF155124_1 8.0e-52 (AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]'		

Seq. No.	8639	Seq. ID	OJ991210_14.0110.C20
Gene No.	18375	Strand	+
Start	1	End	1036
Name	OJ991210_14.0110.C20.o1.np	Method	AAT/NAP
Start	1	End	409
GI	5453379	Score	415
Exons	1..409		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]		

Seq. No.	8639	Seq. ID	OJ991210_14.0110.C20
Gene No.	18375	Strand	+
Start	1	End	1036
Name	OJ991210_14.0110.C20.o1.tc	Method	TBLASTX:Cress
Start	3	End	409
GI	none	Score	77
Exons	3..80, 8..49, 84..206, 209..259, 223..255, 319..405, 335..409		

Seq. No.	8639	Seq. ID	OJ991210_14.0110.C20
Gene No.	18375	Strand	+
Start	1	End	1036
Name	OJ991210_14.0110.C20.o1.tw	Method	TBLASTX:Wheat
Start	3	End	260
GI	none	Score	139
Exons	3..149, 141..206, 213..260		

Seq. No.	8639	Seq. ID	OJ991210_14.0110.C20
Gene No.	18375	Strand	+
Start	1	End	1036
Name	OJ991210_14.0110.C20.o1.ts	Method	TBLASTX:Soybean
Start	3	End	409
GI	none	Score	149
Exons	3..146, 135..209, 209..409, 226..399		

Seq. No.	8639	Seq. ID	OJ991210_14.0110.C20
Gene No.	18375	Strand	+
Start	1	End	1036

Name	OJ991210_14.0110.C20.o1.tm	Method	TBLASTX:Maize
Start	9	End	412
GI	none	Score	137
Exons	9..152, 144..209, 207..263, 209..412, 226..411		

Seq. No.	8639	Seq. ID	OJ991210_14.0110.C20
Gene No.	18375	Strand	+
Start	1	End	1036
Name	OJ991210_14.0110.C20.o1.gs	Method	GENSCAN
Start	120	End	1036
GI	none	Score	.65
Exons	120..382, 860..1036		

Seq. No.	8640	Seq. ID	OJ991210_14.0110.C22
Gene No.	18376	Strand	-
Start	1	End	707
Name	OJ991210_14.0110.C22.o1.np	Method	AAT/NAP
Start	1	End	707
GI	6907086	Score	529
Exons	1..463, 521..707		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8641	Seq. ID	OJ991210_14.0110.C23
Gene No.	18377	Strand	-
Start	1	End	719
Name	OJ991210_14.0110.C23.o1.np	Method	AAT/NAP
Start	1	End	719
GI	5091513	Score	872
Exons	1..719		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8641	Seq. ID	OJ991210_14.0110.C23
Gene No.	18377	Strand	-
Start	1	End	719
Name	OJ991210_14.0110.C23.o1.gs	Method	GENSCAN
Start	65	End	691
GI	none	Score	1
Exons	65..691		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18378	Strand	+
Start	2044	End	2864
Name	OJ991210_14.0110.C26.o1.gs	Method	GENSCAN
Start	2044	End	2864
GI	none	Score	.67
Exons	2044..2124, 2730..2864		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18379	Strand	+
Start	3162	End	12790
Name	OJ991210_14.0110.C26.o2.gs	Method	GENSCAN
Start	3162	End	9362
GI	none	Score	.7
Exons	3162..3292, 3404..3711, 4042..4115, 5816..5894, 6132..6184, 6712..6840, 6892..6943, 7104..8208, 8218..8416, 8447..8709, 8768..9362		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18379	Strand	+
Start	3162	End	12790
Name	OJ991210_14.0110.C26.o1.np	Method	AAT/NAP
Start	7453	End	12790
GI	6498441	Score	4964
Exons	7453..8517, 8849..9299, 9363..9736, 9920..10054, 10229..10871, 11058..12415, 12509..12790		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18379	Strand	+
Start	3162	End	12790
Name	OJ991210_14.0110.C26.o3.gs	Method	GENSCAN
Start	9426	End	11753
GI	none	Score	.73
Exons	9426..10283, 10353..11753		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18380	Strand	-
Start	13483	End	16658
Name	OJ991210_14.0110.C26.o2.np	Method	AAT/NAP
Start	13483	End	16658
GI	5803259	Score	1507
Exons	13483..15320, 15398..16658		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o5.tm	Method	TBLASTX:Maize
Start	7606	End	7891
GI	none	Score	190
Exons	7606..7890, 7643..7891		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o7.tw	Method	TBLASTX:Wheat
Start	7616	End	7990
GI	none	Score	229
Exons	7616..7990, 7729..7914		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o3.tw	Method	TBLASTX:Wheat
Start	8771	End	9365
GI	none	Score	366
Exons	8771..8905, 8772..9263, 8772..9191, 8927..9244, 9240..9365		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o1.tw	Method	TBLASTX:Wheat

Start	9370	End	9833
GI	none	Score	104
Exons	9370..9552, 9371..9832, 9372..9833, 9375..9833		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o1.tm	Method	TBLASTX:Maize
Start	9501	End	9857
GI	none	Score	369
Exons	9501..9857, 9537..9713, 9542..9847, 9741..9857		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o2.tm	Method	TBLASTX:Maize
Start	9884	End	10268
GI	none	Score	338
Exons	9884..10141, 9885..10268, 9885..10154		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o2.tw	Method	TBLASTX:Wheat
Start	9942	End	10361
GI	none	Score	456
Exons	9942..10361, 9947..10345		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o1.ts	Method	TBLASTX:Soybean
Start	10020	End	10391
GI	none	Score	255
Exons	10020..10391		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o5.tw	Method	TBLASTX:Wheat
Start	10743	End	11192
GI	none	Score	213
Exons	10743..10967, 10811..10987, 11040..11192, 11051..11191		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o8.tw	Method	TBLASTX:Wheat
Start	11195	End	11555
GI	none	Score	185
Exons	11195..11386, 11247..11555		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o3.tm	Method	TBLASTX:Maize
Start	11661	End	11995

GI	none	Score	329
Exons	11661..11984, 11663..11995, 11780..11971		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o4.tw	Method	TBLASTX:Wheat
Start	11799	End	12192
GI	none	Score	261
Exons	11799..12023, 11810..12031, 12020..12178, 12025..12192		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o6.tw	Method	TBLASTX:Wheat
Start	12194	End	12781
GI	none	Score	240
Exons	12194..12469, 12205..12282, 12318..12641, 12322..12462, 12655..12777, 12656..12781		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o4.tm	Method	TBLASTX:Maize
Start	12650	End	12805
GI	none	Score	194
Exons	12650..12805, 12655..12795		

Seq. No.	8642	Seq. ID	OJ991210_14.0110.C26
Gene No.	18381	Strand	-
Start	22218	End	24241
Name	OJ991210_14.0110.C26.o6.gs	Method	GENSCAN
Start	22218	End	24241
GI	none	Score	.74
Exons	22218..22351, 22356..22643, 22911..22946, 23432..23647, 24223..24241		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18382	Strand	+
Start	341	End	4346
Name	OJ991210_14.0110.C27.o1.np	Method	AAT/NAP
Start	341	End	2876
GI	6013267	Score	824
Exons	341..412, 700..794, 962..1064, 1383..1471, 1839..1995, 2102..2176, 2289..2347, 2492..2628, 2798..2876		
GI Descrip.	(AF184093) spermine synthase [Arabidopsis thaliana] gi|6013269|gb|AAF01312.1|AF184094_1 (AF184094) spermine synthase [Arabidopsis thaliana]		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18382	Strand	+
Start	341	End	4346
Name	OJ991210_14.0110.C27.o1.gs	Method	GENSCAN
Start	612	End	4346
GI	none	Score	.74
Exons	612..620, 948..1064, 1383..1471, 1839..1995, 2083..2176, 2289..2347, 2492..2628, 4124..4176, 4201..4271, 4290..4346		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18382	Strand	+
Start	341	End	4346
Name	OJ991210_14.0110.C27.o1.gp	Method	AAT/GAP
Start	1153	End	1254
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	1153..1254		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18383	Strand	+
Start	4374	End	4847
Name	OJ991210_14.0110.C27.o2.gp	Method	AAT/GAP
Start	4374	End	4847
GI	LIB3477-003-P1-K1-E9	Score	106
Exons	4374..4496, 4822..4847		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18384	Strand	-
Start	4558	End	4864
Name	OJ991210_14.0110.C27.o2.ts	Method	TBLASTX:Soybean
Start	1005	End	2205
GI	none	Score	81
Exons	1005..1064, 1374..1460, 1837..1995, 1872..1991, 2109..2177, 2110..2205		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18384	Strand	-
Start	4558	End	4864
Name	OJ991210_14.0110.C27.o2.gs	Method	GENSCAN
Start	4558	End	4812
GI	none	Score	.93
Exons	4558..4812		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18384	Strand	-
Start	4558	End	4864
Name	OJ991210_14.0110.C27.o1.tm	Method	TBLASTX:Maize
Start	4558	End	4846
GI	none	Score	181
Exons	4558..4845, 4571..4846		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18384	Strand	-
Start	4558	End	4864
Name	OJ991210_14.0110.C27.o1.ts	Method	TBLASTX:Soybean
Start	4558	End	4852
GI	5677397	Score	93
Exons	4558..4698, 4558..4704, 4723..4851, 4724..4852		
GI Descrip.	129805/sp_P22195_PER1_ARAHY 2.0e-39 CATIONIC PEROXIDASE 1 PRECURSOR >gi_99872_pir__A38265 peroxidase (EC 1.11.1.7)		

precursor, cationic (clone PNC1) - peanut

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18384	Strand	-
Start	4558	End	4864
Name	OJ991210_14.0110.C27.o1.tc	Method	TBLASTX:Cress
Start	4561	End	4848
GI	none	Score	63
Exons	4561..4707, 4720..4848, 4721..4822		

Seq. No.	8643	Seq. ID	OJ991210_14.0110.C27
Gene No.	18384	Strand	-
Start	4558	End	4864
Name	OJ991210_14.0110.C27.o2.np	Method	AAT/NAP
Start	4561	End	4864
GI	5453379	Score	264
Exons	4561..4864		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]		

Seq. No.	8644	Seq. ID	OJ991210_14.0110.C28
Gene No.	18385	Strand	-
Start	1	End	354
Name	OJ991210_14.0110.C28.o1.np	Method	AAT/NAP
Start	1	End	333
GI	5453379	Score	257
Exons	1..333		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]		

Seq. No.	8644	Seq. ID	OJ991210_14.0110.C28
Gene No.	18385	Strand	-
Start	1	End	354
Name	OJ991210_14.0110.C28.o1.gs	Method	GENSCAN
Start	13	End	354
GI	none	Score	.64
Exons	13..354		

Seq. No.	8644	Seq. ID	OJ991210_14.0110.C28
Gene No.	18386	Strand	-
Start	1963	End	2568
Name	OJ991210_14.0110.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	254
GI	none	Score	104
Exons	1..153, 74..232, 198..254		

Seq. No.	8644	Seq. ID	OJ991210_14.0110.C28
Gene No.	18386	Strand	-
Start	1963	End	2568
Name	OJ991210_14.0110.C28.o1.ts	Method	TBLASTX:Soybean
Start	4	End	246
GI	none	Score	75
Exons	4..90, 79..246, 80..157		

Seq. No.	8644	Seq. ID	OJ991210_14.0110.C28
Gene No.	18386	Strand	-
Start	1963	End	2568

Name	OJ991210_14.0110.C28.o2.gs	Method	GENSCAN
Start	1963	End	2568
GI	none	Score	.71
Exons	1963..2568		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1
Gene No.	18387	Strand	+
Start	3765	End	4699
Name	OJ991220_10.0118.C1.o2.gs	Method	GENSCAN
Start	3765	End	4699
GI	none	Score	.98
Exons	3765..3771, 4410..4699		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1
Gene No.	18388	Strand	+
Start	9496	End	9885
Name	OJ991220_10.0118.C1.o4.gs	Method	GENSCAN
Start	9496	End	9885
GI	none	Score	.76
Exons	9496..9885		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1
Gene No.	18389	Strand	-
Start	1	End	2893
Name	OJ991220_10.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	2315
GI	2130141	Score	1296
Exons	1..1613, 1722..2315		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1
Gene No.	18389	Strand	-
Start	1	End	2893
Name	OJ991220_10.0118.C1.o1.gs	Method	GENSCAN
Start	319	End	2893
GI	none	Score	.76
Exons	319..1613, 1725..2775, 2811..2893		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1
Gene No.	18390	Strand	-
Start	6341	End	8290
Name	OJ991220_10.0118.C1.o3.gs	Method	GENSCAN
Start	6341	End	8290
GI	none	Score	.51
Exons	6341..6417, 7117..7142, 7430..7566, 8159..8290		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1
Gene No.	18391	Strand	-
Start	11119	End	11870
Name	OJ991220_10.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	387	End	1166
GI	none	Score	49
Exons	387..437, 400..438, 492..746, 492..818, 783..893, 846..896, 909..1166, 910..1161		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1

Gene No.	18391	Strand	-
Start	11119	End	11870
Name	OJ991220_10.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	1218	End	1629
GI	none	Score	267
Exons	1218..1613, 1218..1613, 1225..1629		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1
Gene No.	18391	Strand	-
Start	11119	End	11870
Name	OJ991220_10.0118.C1.o3.tm	Method	TBLASTX:Maize
Start	1753	End	1983
GI	none	Score	108
Exons	1753..1983, 1755..1982		

Seq. No.	8645	Seq. ID	OJ991220_10.0118.C1
Gene No.	18391	Strand	-
Start	11119	End	11870
Name	OJ991220_10.0118.C1.o5.gs	Method	GENSCAN
Start	11119	End	11870
GI	none	Score	.78
Exons	11119..11400, 11630..11663, 11782..11870		

Seq. No.	8646	Seq. ID	OJ991220_10.0118.C2
Gene No.	18392	Strand	+
Start	77	End	1730
Name	OJ991220_10.0118.C2.o1.gs	Method	GENSCAN
Start	77	End	1318
GI	none	Score	.44
Exons	77..280, 908..1081, 1140..1318		

Seq. No.	8646	Seq. ID	OJ991220_10.0118.C2
Gene No.	18392	Strand	+
Start	77	End	1730
Name	OJ991220_10.0118.C2.o1.np	Method	AAT/NAP
Start	229	End	1730
GI	5295951	Score	153
Exons	229..438, 1696..1730		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	8646	Seq. ID	OJ991220_10.0118.C2
Gene No.	18392	Strand	+
Start	77	End	1730
Name	OJ991220_10.0118.C2.o2.np	Method	AAT/NAP
Start	1113	End	1240
GI	135535	Score	94
Exons	1113..1240		
GI Descrip.	T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) gi|322602|pir||JN0448 t-complex polypeptide Tcp-1 - Arabidopsis thaliana gi|217871|dbj|BAA01955| (D11351) t-complex polypeptide 1 homologue [Arabidopsis thaliana] gi|2326265|dbj|BAA21772| (D11352) CCT alpha/TCP-1 [Arabidopsis thaliana]		

Seq. No.	8647	Seq. ID	OJ991220_10.0118.C4
Gene No.	18393	Strand	+
Start	631	End	3858

Name	OJ991220_10.0118.C4.o1.np	Method	AAT/NAP
Start	631	End	3858
GI	5852093	Score	44
Exons	631..676, 2011..2129, 3825..3858		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	8647	Seq. ID	OJ991220_10.0118.C4
Gene No.	18394	Strand	-
Start	1550	End	4154
Name	OJ991220_10.0118.C4.o2.np	Method	AAT/NAP
Start	1550	End	4154
GI	6539570	Score	207
Exons	1550..1568, 3740..3810, 3961..4154		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8647	Seq. ID	OJ991220_10.0118.C4
Gene No.	18395	Strand	-
Start	4291	End	4396
Name	OJ991220_10.0118.C4.o3.np	Method	AAT/NAP
Start	4291	End	4396
GI	6630699	Score	87
Exons	4291..4396		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18396	Strand	+
Start	21859	End	22186
Name	OJ991220_10.0118.C5.o2.gp	Method	AAT/GAP
Start	21859	End	22186
GI	uC-osflcyp084e10a1	Score	642
Exons	21859..22186		
GI Descrip.	'2618723 5.0e-15 (U49073) IAA17 [Arabidopsis thaliana] >gi_2921756 (AF040631) IAA17/AXR3 protein [Arabidopsis thaliana] >gi_4389514_gb_AAB70451_ (AC000104) Identical to Arabidopsis gb_AF040632 and gb_U49073 IAA17/AXR3 gene. ESTs gb_H36782 and gb_F14074 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18397	Strand	-
Start	6409	End	16017
Name	OJ991220_10.0118.C5.o1.np	Method	AAT/NAP
Start	6409	End	12143
GI	2462828	Score	975
Exons	6409..6438, 8740..10322, 10353..10614, 12123..12143		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18397	Strand	-
Start	6409	End	16017
Name	OJ991220_10.0118.C5.o2.gs	Method	GENSCAN
Start	8691	End	10841
GI	none	Score	.98
Exons	8691..10841		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5

Gene No.	18397	Strand	-
Start	6409	End	16017
Name	OJ991220_10.0118.C5.o1.gp	Method	AAT/GAP
Start	11588	End	13910
GI	none	Score	1468
Exons	11588..11987, 12081..12149, 12235..12340, 13101..13156, 13358..13417, 13546..13624, 13872..13910		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18397	Strand	-
Start	6409	End	16017
Name	OJ991220_10.0118.C5.o3.gs	Method	GENSCAN
Start	11925	End	16017
GI	none	Score	.61
Exons	11925..11987, 12123..12149, 12235..12340, 13101..13156, 13358..13417, 13498..13624, 13872..13966, 14087..14200, 14644..14695, 15872..16017		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	3690	End	9899
GI	none	Score	51
Exons	3690..3722, 3690..3722, 3763..3840, 3768..3842, 3835..3912, 3837..3905, 8684..8731, 8691..8732, 8697..8747, 8748..8999, 8748..9029, 8749..9006, 8859..9104, 8901..9074, 8970..9215, 8999..9175, 9000..9179, 9006..9185, 9007..9180, 9066..9305, 9111..9275, 9162..9215, 9180..9449, 9180..9215, 9181..9216, 9216..9371, 9390..9425, 9414..9644, 9426..9593, 9487..9738, 9489..9734, 9495..9527, 9531..9698, 9591..9845, 9595..9759, 9636..9791, 9741..9899		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o6.tm	Method	TBLASTX:Maize
Start	4487	End	5275
GI	none	Score	107
Exons	4487..4537, 4529..4582, 4530..4610, 4653..4709, 4845..5000, 4992..5057, 5144..5194, 5186..5275		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o5.ts	Method	TBLASTX:Soybean
Start	4524	End	5287
GI	none	Score	84
Exons	4524..4610, 4848..5000, 5034..5057, 5144..5287		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o2.tc	Method	TBLASTX:Cress
Start	8739	End	10292
GI	none	Score	69
Exons	8739..8969, 8751..9026, 8751..8948, 8754..8924, 8754..8837,		

8820..9029, 8859..9233, 8862..9206, 8955..9146, 8967..9332,
9060..9254, 9061..9333, 9066..9437, 9075..9266, 9135..9335,
9177..9566, 9240..9449, 9267..9629, 9277..9630, 9390..9578,
9390..9734, 9427..9735, 9468..9698, 9489..9845, 9562..9639,
9567..9800, 9591..9932, 9595..9933, 9672..9908, 9696..9968,
9700..9966, 9780..9932, 9792..9932, 9960..10046, 9960..10052,
10062..10292, 10062..10163, 10083..10292, 10092..10205

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	8751	End	10190
GI	none	Score	91
Exons	8751..9077, 8752..8895, 8784..9170, 8877..9026, 8877..9281, 8982..9371, 9051..9182, 9087..9497, 9103..9495, 9181..9597, 9192..9596, 9297..9701, 9379..9786, 9381..9812, 9507..9896, 9604..9840, 9612..9932, 10071..10190		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o5.tm	Method	TBLASTX:Maize
Start	10104	End	10343
GI	none	Score	162
Exons	10104..10292, 10107..10343, 10117..10326		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o4.tm	Method	TBLASTX:Maize
Start	11778	End	14701
GI	none	Score	78
Exons	11778..11825, 11919..11984, 11922..11990, 12051..12152, 12076..12150, 12079..12156, 12080..12160, 12234..12320, 12235..12345, 12235..12342, 13103..13159, 13326..13415, 13355..13417, 13356..13418, 13531..13623, 13542..13622, 13544..13624, 13868..13966, 13872..13985, 13872..13967, 13880..13987, 14082..14201, 14084..14200, 14086..14202, 14089..14202, 14637..14693, 14644..14697, 14645..14701		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o3.tc	Method	TBLASTX:Cress
Start	11925	End	14203
GI	none	Score	69
Exons	11925..11987, 12051..12152, 12052..12150, 12235..12342, 12236..12343, 13355..13483, 13359..13418, 13594..13623, 13874..13966, 13880..13987, 13887..13967, 14084..14203, 14088..14195		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o4.ts	Method	TBLASTX:Soybean
Start	11925	End	13987

GI	none	Score	58
Exons	11925..11990, 11925..11987, 12051..12152, 12079..12150, 12079..12156, 12235..12342, 12236..12343, 13355..13417, 13356..13436, 13534..13596, 13880..13987		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o2.tw	Method	TBLASTX:Wheat
Start	13877	End	14698
GI	none	Score	83
Exons	13877..13930, 13878..13931, 13923..13967, 13927..13968, 14081..14113, 14084..14110, 14102..14200, 14102..14200, 14103..14201, 14645..14698, 14647..14697		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o4.gs	Method	GENSCAN
Start	17820	End	27569
GI	none	Score	.68
Exons	17820..18179, 18451..18761, 19184..19415, 19910..19968, 20513..20605, 21172..21257, 22776..22918, 23355..23540, 24260..24531, 24691..24733, 24822..24899, 25026..25100, 26440..26577, 26655..26767, 27333..27569		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o3.ts	Method	TBLASTX:Soybean
Start	20476	End	20844
GI	none	Score	125
Exons	20476..20616, 20614..20748, 20655..20744, 20752..20844		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	20494	End	21248
GI	none	Score	196
Exons	20494..20631, 20494..20604, 20502..20627, 20613..20897, 20626..20895, 20639..20908, 20641..20904, 21029..21118, 21040..21192, 21042..21236, 21043..21237, 21054..21248		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o2.np	Method	AAT/NAP
Start	21535	End	26755
GI	2865394	Score	761
Exons	21535..21568, 22776..22918, 23355..23591, 24256..24531, 24691..24733, 24822..24899, 25026..25192, 26459..26755		
GI Descrip.	(AF036949) basic leucine zipper protein [Zea mays]		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569

Name	OJ991220_10.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	22008	End	25112
GI	none	Score	47
Exons	22008..22052, 22101..22208, 22112..22210, 22118..22207, 22211..22237, 22211..22237, 22775..22921, 22775..22921, 23343..23420, 23355..23420, 23356..23469, 23451..23498, 23452..23505, 23453..23542, 23468..23539, 23537..23575, 23547..23576, 24256..24360, 24260..24406, 24260..24535, 24261..24533, 24669..24734, 24680..24736, 24821..24907, 24822..24902, 25026..25112, 25026..25100		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	22772	End	25082
GI	none	Score	84
Exons	22772..22921, 22830..22931, 23354..23419, 23355..23438, 23451..23498, 23468..23536, 24257..24532, 24816..24902, 25026..25082		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o6.ts	Method	TBLASTX:Soybean
Start	22775	End	25091
GI	none	Score	94
Exons	22775..22921, 22793..22921, 22827..22937, 24822..24902, 25026..25091		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	24261	End	24532
GI	none	Score	107
Exons	24261..24350, 24263..24397, 24263..24532		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	24281	End	25073
GI	none	Score	65
Exons	24281..24532, 24822..24899, 25029..25073		

Seq. No.	8648	Seq. ID	OJ991220_10.0118.C5
Gene No.	18398	Strand	-
Start	17820	End	27569
Name	OJ991220_10.0118.C5.o3.gp	Method	AAT/GAP
Start	24504	End	26731
GI	35294_1.R1084	Score	832
Exons	24504..24531, 24691..24733, 24822..24899, 25026..25085, 25272..25331, 26440..26577, 26655..26731		
GI Descrip.	'2865394 1.0e-17 (AF036949) basic leucine zipper protein [Zea mays]'		

Seq. No.	8649	Seq. ID	OJ991220_10.0118.C6
Gene No.	18399	Strand	+
Start	1280	End	1636
Name	OJ991220_10.0118.C6.o1.gs	Method	GENSCAN
Start	1280	End	1636
GI	none	Score	.98
Exons	1280..1438, 1440..1636		

Seq. No.	8650	Seq. ID	OJ991220_10.0118.C8
Gene No.	18400	Strand	+
Start	1	End	1314
Name	OJ991220_10.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	1314
GI	4678347	Score	466
Exons	1..32, 402..670, 987..1314		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	8650	Seq. ID	OJ991220_10.0118.C8
Gene No.	18400	Strand	+
Start	1	End	1314
Name	OJ991220_10.0118.C8.o1.gs	Method	GENSCAN
Start	422	End	1286
GI	none	Score	.77
Exons	422..670, 987..1286		

Seq. No.	8650	Seq. ID	OJ991220_10.0118.C8
Gene No.	18401	Strand	-
Start	1819	End	3078
Name	OJ991220_10.0118.C8.o1.ts	Method	TBLASTX:Soybean
Start	403	End	1271
GI	none	Score	70
Exons	403..582, 403..600, 404..583, 984..1271, 1001..1264		

Seq. No.	8650	Seq. ID	OJ991220_10.0118.C8
Gene No.	18401	Strand	-
Start	1819	End	3078
Name	OJ991220_10.0118.C8.o1.tc	Method	TBLASTX:Cress
Start	476	End	1318
GI	none	Score	76
Exons	476..655, 984..1265, 995..1318, 996..1277		

Seq. No.	8650	Seq. ID	OJ991220_10.0118.C8
Gene No.	18401	Strand	-
Start	1819	End	3078
Name	OJ991220_10.0118.C8.o1.tm	Method	TBLASTX:Maize
Start	524	End	1282
GI	none	Score	77
Exons	524..640, 963..1274, 975..1277, 989..1282		

Seq. No.	8650	Seq. ID	OJ991220_10.0118.C8
Gene No.	18401	Strand	-
Start	1819	End	3078
Name	OJ991220_10.0118.C8.o2.gs	Method	GENSCAN
Start	1819	End	3078
GI	none	Score	1
Exons	1819..3078		

Seq. No.	8650	Seq. ID	OJ991220_10.0118.C8
Gene No.	18401	Strand	-
Start	1819	End	3078
Name	OJ991220_10.0118.C8.o1.tw	Method	TBLASTX:Wheat
Start	2839	End	3066
GI	none	Score	179
Exons	2839..3066		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18402	Strand	+
Start	1247	End	3710
Name	OJ991220_10.0118.C10.o1.gp	Method	AAT/GAP
Start	1247	End	2596
GI	5360179	Score	1750
Exons	1247..1554, 1660..1721, 1972..2012, 2101..2596		
GI Descrip.	5360180/gb|AAD42896.1|AF159883_1 1.0e-94 (AF159883) Cen-like protein FDR1 [Oryza sativa]		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18402	Strand	+
Start	1247	End	3710
Name	OJ991220_10.0118.C10.o1.gs	Method	GENSCAN
Start	1354	End	3710
GI	none	Score	.47
Exons	1354..1554, 3207..3710		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o3.tm	Method	TBLASTX:Maize
Start	1347	End	2302
GI	none	Score	87
Exons	1347..1562, 1347..1562, 1348..1563, 1659..1721, 1660..1722, 1664..1759, 1972..2016, 1973..2017, 2099..2209, 2100..2210, 2208..2300, 2210..2266, 2213..2302		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o1.tc	Method	TBLASTX:Cress
Start	1359	End	2300
GI	none	Score	230
Exons	1359..1562, 1363..1563, 1659..1721, 1660..1722, 1972..2016, 1973..2017, 2099..2197, 2100..2198, 2178..2300, 2192..2266		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o4.ts	Method	TBLASTX:Soybean
Start	1366	End	1563
GI	none	Score	121
Exons	1366..1461, 1368..1454, 1461..1562, 1462..1563		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o3.ts	Method	TBLASTX:Soybean

Start	1660	End	2311
GI	none	Score	106
Exons	1660..1722, 1662..1721, 1972..2013, 1973..2017, 2099..2266, 2100..2300, 2116..2304, 2117..2311		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	7926	End	8594
GI	none	Score	43
Exons	7926..8186, 8002..8172, 8205..8594, 8248..8490		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o1.np	Method	AAT/NAP
Start	7935	End	9250
GI	4416302	Score	1376
Exons	7935..9250		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o3.gs	Method	GENSCAN
Start	7935	End	9107
GI	none	Score	.52
Exons	7935..9107		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	7956	End	8612
GI	none	Score	145
Exons	7956..8612, 7971..8324, 7987..8604		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o2.tc	Method	TBLASTX:Cress
Start	8001	End	8321
GI	none	Score	90
Exons	8001..8168, 8190..8321		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o3.tw	Method	TBLASTX:Wheat
Start	8001	End	8321
GI	none	Score	67
Exons	8001..8192, 8001..8177, 8196..8321		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250

Name	OJ991220_10.0118.C10.o2.tw	Method	TBLASTX:Wheat
Start	8358	End	8789
GI	none	Score	93
Exons	8358..8615, 8640..8789		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	8727	End	9165
GI	none	Score	193
Exons	8727..9164, 8730..9161, 8929..9165		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	8965	End	9249
GI	5509260	Score	237
Exons	8965..9249, 8970..9248		
GI Descrip.	-		

Seq. No.	8651	Seq. ID	OJ991220_10.0118.C10
Gene No.	18403	Strand	-
Start	7935	End	9250
Name	OJ991220_10.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	8973	End	9249
GI	none	Score	100
Exons	8973..9152, 8978..9181, 8979..9248, 8989..9159, 9181..9249		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18404	Strand	+
Start	5390	End	5647
Name	OJ991220_10.0118.C11.o4.np	Method	AAT/NAP
Start	5390	End	5647
GI	862343	Score	86
Exons	5390..5647		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18405	Strand	+
Start	13230	End	18870
Name	OJ991220_10.0118.C11.o4.gs	Method	GENSCAN
Start	13230	End	18870
GI	none	Score	.57
Exons	13230..13588, 14209..14472, 14675..14931, 15042..15180, 15722..15748, 16402..16603, 17658..17849, 18175..18386, 18792..18870		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18406	Strand	+
Start	21101	End	30175
Name	OJ991220_10.0118.C11.o8.np	Method	AAT/NAP
Start	21101	End	30175

GI	220578	Score	74
Exons	21101..21151, 23833..24032, 30071..30175		
GI Descrip.	(D00570) open reading frame (251 AA) [Mus musculus]		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18407	Strand	-
Start	1	End	5212
Name	OJ991220_10.0118.C11.o1.np	Method	AAT/NAP
Start	1	End	1569
GI	4416302	Score	606
Exons	1..1569		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18407	Strand	-
Start	1	End	5212
Name	OJ991220_10.0118.C11.o1.gs	Method	GENSCAN
Start	249	End	4766
GI	none	Score	.45
Exons	249..506, 620..724, 1459..1626, 1789..1986, 2929..3039, 3138..3244, 4306..4437, 4709..4766		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18407	Strand	-
Start	1	End	5212
Name	OJ991220_10.0118.C11.o3.np	Method	AAT/NAP
Start	4159	End	5212
GI	6539588	Score	267
Exons	4159..4475, 5190..5212		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18408	Strand	-
Start	5430	End	5517
Name	OJ991220_10.0118.C11.o1.gp	Method	AAT/GAP
Start	5430	End	5517
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	5430..5517		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18409	Strand	-
Start	6072	End	7104
Name	OJ991220_10.0118.C11.o2.gs	Method	GENSCAN
Start	6072	End	7104
GI	none	Score	.97
Exons	6072..6197, 6590..6665, 6863..7104		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18410	Strand	-
Start	10027	End	13343
Name	OJ991220_10.0118.C11.o5.np	Method	AAT/NAP
Start	9900	End	11404
GI	6579198	Score	581
Exons	9900..9938, 10694..11404		

GI Descrip. (AC011438) T23G18.14 [Arabidopsis thaliana]

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18410	Strand	-
Start	10027	End	13343
Name	OJ991220_10.0118.C11.o3.gs	Method	GENSCAN
Start	10027	End	11836
GI	none	Score	.89
Exons	10027..10086, 10664..11369, 11442..11836		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18410	Strand	-
Start	10027	End	13343
Name	OJ991220_10.0118.C11.o2.gp	Method	AAT/GAP
Start	10418	End	11103
GI	68965_1.R1084	Score	1324
Exons	10418..11103		
GI Descrip.	'5360180/gb|AAD42896.1|AF159883_1 1.0e-94 (AF159883) Cen-like protein FDR1 [Oryza sativa]'		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18410	Strand	-
Start	10027	End	13343
Name	OJ991220_10.0118.C11.o6.np	Method	AAT/NAP
Start	10772	End	13343
GI	5926740	Score	191
Exons	10772..10801, 13075..13343		
GI Descrip.	(AB025310) asparaginyl endopeptidase [Oryza sativa]		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18411	Strand	-
Start	19565	End	20669
Name	OJ991220_10.0118.C11.o7.np	Method	AAT/NAP
Start	19565	End	20669
GI	6642652	Score	520
Exons	19565..20669		
GI Descrip.	(AC012395) putative purple acid phosphatase [Arabidopsis thaliana]		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18412	Strand	-
Start	23651	End	25424
Name	OJ991220_10.0118.C11.o6.gs	Method	GENSCAN
Start	23651	End	25424
GI	none	Score	.81
Exons	23651..23752, 24605..24633, 24772..24945, 25079..25424		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	348	End	28670
GI	none	Score	85
Exons	348..476, 599..808, 654..788, 28194..28670, 28297..28668		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-

Start	26331	End	30175
Name	OJ991220_10.0118.C11.o4.tm	Method	TBLASTX:Maize
Start	348	End	28847
GI	none	Score	51
Exons	348..500, 517..576, 518..577, 626..892, 657..854, 915..980, 28209..28778, 28480..28779, 28779..28847		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o4.tc	Method	TBLASTX:Cress
Start	349	End	28655
GI	none	Score	73
Exons	349..486, 354..485, 668..790, 28206..28637, 28211..28465, 28212..28655		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o2.tw	Method	TBLASTX:Wheat
Start	414	End	28904
GI	none	Score	89
Exons	414..497, 517..573, 665..874, 879..1022, 28272..28367, 28332..28433, 28443..28904, 28455..28772, 28456..28839		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o7.ts	Method	TBLASTX:Soybean
Start	879	End	29039
GI	none	Score	84
Exons	879..1022, 888..1022, 28707..29039, 28717..29007, 28866..28943		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o6.ts	Method	TBLASTX:Soybean
Start	10688	End	10912
GI	none	Score	146
Exons	10688..10912, 10779..10898		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o3.tm	Method	TBLASTX:Maize
Start	10700	End	11044
GI	none	Score	197
Exons	10700..11044, 10779..10979		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o8.ts	Method	TBLASTX:Soybean
Start	10991	End	11272
GI	none	Score	128
Exons	10991..11029, 11051..11152, 11165..11272		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o6.tm	Method	TBLASTX:Maize
Start	11432	End	11617
GI	none	Score	202
Exons	11432..11617		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	19609	End	20739
GI	none	Score	159
Exons	19609..19860, 19616..19840, 19867..20166, 19970..20119, 20129..20167, 20164..20220, 20239..20535, 20240..20485, 20518..20685, 20662..20739		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o1.tc	Method	TBLASTX:Cress
Start	19666	End	20685
GI	none	Score	118
Exons	19666..19839, 19688..19840, 19855..20142, 20239..20331, 20335..20463, 20503..20685		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o3.ts	Method	TBLASTX:Soybean
Start	19666	End	20571
GI	none	Score	125
Exons	19666..19839, 19688..19840, 19858..20142, 20234..20332, 20239..20331, 20335..20466, 20336..20467, 20407..20571		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o10.np	Method	AAT/NAP
Start	26331	End	30175
GI	4006831	Score	1657
Exons	26331..26652, 26800..26960, 27015..27325, 27458..29737, 29817..30175		
GI Descrip.	(AC005970) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o9.np	Method	AAT/NAP
Start	26376	End	30175
GI	4335731	Score	2594
Exons	26376..28654, 28685..29614, 29682..30175		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o2.tc	Method	TBLASTX:Cress
Start	26391	End	27050
GI	none	Score	66
Exons	26391..26621, 26437..26622, 26628..26753, 26766..26849, 26865..27050		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o2.tm	Method	TBLASTX:Maize
Start	26391	End	27038
GI	none	Score	42
Exons	26391..26609, 26533..26601, 26634..27038, 26635..26841		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o3.tw	Method	TBLASTX:Wheat
Start	26421	End	26897
GI	none	Score	38
Exons	26421..26618, 26533..26619, 26632..26871, 26634..26897		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o5.ts	Method	TBLASTX:Soybean
Start	26514	End	26832
GI	none	Score	115
Exons	26514..26831, 26517..26708, 26524..26832		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o4.ts	Method	TBLASTX:Soybean
Start	26844	End	27252
GI	none	Score	300
Exons	26844..27251, 26845..27252		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	27081	End	27738
GI	none	Score	85
Exons	27081..27179, 27192..27398, 27393..27737, 27607..27738		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o5.tm	Method	TBLASTX:Maize
Start	27273	End	27738
GI	none	Score	68
Exons	27273..27737, 27430..27579, 27601..27738		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o2.ts	Method	TBLASTX:Soybean
Start	27402	End	27914
GI	5509260	Score	64
Exons	27402..27914, 27430..27486, 27504..27587, 27553..27906, 27627..27911		
GI Descrip.	-		

Seq. No.	8652	Seq. ID	OJ991220_10.0118.C11
Gene No.	18413	Strand	-
Start	26331	End	30175
Name	OJ991220_10.0118.C11.o3.tc	Method	TBLASTX:Cress
Start	27519	End	27792
GI	none	Score	119
Exons	27519..27791, 27553..27792		

Seq. No.	8653	Seq. ID	OJ991220_10.0118.C12
Gene No.	18414	Strand	+
Start	841	End	1337
Name	OJ991220_10.0118.C12.o1.np	Method	AAT/NAP
Start	841	End	1337
GI	6939224	Score	313
Exons	841..1110, 1226..1337		
GI Descrip.	(AC020579) unknown protein [Arabidopsis thaliana]		

Seq. No.	8653	Seq. ID	OJ991220_10.0118.C12
Gene No.	18414	Strand	+
Start	841	End	1337
Name	OJ991220_10.0118.C12.o1.tm	Method	TBLASTX:Maize
Start	855	End	1276
GI	none	Score	321
Exons	855..1103, 895..1101, 1223..1276		

Seq. No.	8653	Seq. ID	OJ991220_10.0118.C12
Gene No.	18414	Strand	+
Start	841	End	1337
Name	OJ991220_10.0118.C12.o1.ts	Method	TBLASTX:Soybean
Start	907	End	1336
GI	none	Score	222
Exons	907..1068, 915..1076, 948..1076, 1226..1336, 1232..1297		

Seq. No.	8653	Seq. ID	OJ991220_10.0118.C12
Gene No.	18414	Strand	+
Start	841	End	1337
Name	OJ991220_10.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	913	End	1336
GI	none	Score	227
Exons	913..1101, 915..1055, 1223..1336		

Seq. No.	8653	Seq. ID	OJ991220_10.0118.C12
Gene No.	18414	Strand	+
Start	841	End	1337
Name	OJ991220_10.0118.C12.o1.tw	Method	TBLASTX:Wheat
Start	937	End	1336
GI	none	Score	172

Exons	937..1098, 945..1097, 1224..1277, 1226..1336		
Seq. No.	8654	Seq. ID	OJ991210_10.0110.C1
Gene No.	18415	Strand	-
Start	316	End	2364
Name	OJ991210_10.0110.C1.o1.tc	Method	TBLASTX:Cress
Start	306	End	823
GI	none	Score	135
Exons	306..434, 322..441, 323..433, 511..630, 512..577, 514..633, 719..823		
Seq. No.	8654	Seq. ID	OJ991210_10.0110.C1
Gene No.	18415	Strand	-
Start	316	End	2364
Name	OJ991210_10.0110.C1.o1.tm	Method	TBLASTX:Maize
Start	307	End	2358
GI	none	Score	174
Exons	307..435, 308..439, 308..439, 492..626, 511..630, 512..580, 513..623, 514..633, 737..856, 737..847, 1160..1282, 1170..1292, 1171..1293, 1488..1544, 1658..1759, 1663..1746, 1926..2084, 1929..2084, 1930..2097, 1933..2088, 2311..2358		
Seq. No.	8654	Seq. ID	OJ991210_10.0110.C1
Gene No.	18415	Strand	-
Start	316	End	2364
Name	OJ991210_10.0110.C1.o1.np	Method	AAT/NAP
Start	310	End	594
GI	4262230	Score	212
Exons	310..432, 514..594		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		
Seq. No.	8654	Seq. ID	OJ991210_10.0110.C1
Gene No.	18415	Strand	-
Start	316	End	2364
Name	OJ991210_10.0110.C1.o1.ts	Method	TBLASTX:Soybean
Start	310	End	880
GI	none	Score	113
Exons	310..435, 323..439, 332..439, 511..630, 512..571, 514..633, 737..841, 737..880, 762..845		
Seq. No.	8654	Seq. ID	OJ991210_10.0110.C1
Gene No.	18415	Strand	-
Start	316	End	2364
Name	OJ991210_10.0110.C1.o1.gs	Method	GENSCAN
Start	316	End	2364
GI	none	Score	.91
Exons	316..432, 514..624, 737..891, 1172..1281, 1658..1754, 1929..2082, 2311..2364		
Seq. No.	8655	Seq. ID	OJ991210_10.0110.C2
Gene No.	18416	Strand	+
Start	1015	End	2075
Name	OJ991210_10.0110.C2.o2.gs	Method	GENSCAN
Start	1015	End	2075
GI	none	Score	.67
Exons	1015..1030, 1137..1247, 1375..1543, 2054..2075		

Seq. No.	8655	Seq. ID	OJ991210_10.0110.C2
Gene No.	18416	Strand	+
Start	1015	End	2075
Name	OJ991210_10.0110.C2.o2.np	Method	AAT/NAP
Start	1157	End	1553
GI	2129575	Score	255
Exons	1157..1247, 1375..1553		
GI Descrip.	DNA repair protein homolog XPBara - Arabidopsis thaliana		

Seq. No.	8655	Seq. ID	OJ991210_10.0110.C2
Gene No.	18417	Strand	-
Start	1	End	706
Name	OJ991210_10.0110.C2.o1.np	Method	AAT/NAP
Start	1	End	706
GI	4262229	Score	248
Exons	1..53, 146..227, 389..487, 617..706		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		

Seq. No.	8655	Seq. ID	OJ991210_10.0110.C2
Gene No.	18417	Strand	-
Start	1	End	706
Name	OJ991210_10.0110.C2.o1.gs	Method	GENSCAN
Start	39	End	703
GI	none	Score	.67
Exons	39..227, 389..487, 617..703		

Seq. No.	8655	Seq. ID	OJ991210_10.0110.C2
Gene No.	18418	Strand	-
Start	2563	End	2663
Name	OJ991210_10.0110.C2.o2.tc	Method	TBLASTX:Cress
Start	7	End	721
GI	none	Score	90
Exons	7..51, 138..185, 386..505, 387..482, 617..721, 617..721		

Seq. No.	8655	Seq. ID	OJ991210_10.0110.C2
Gene No.	18418	Strand	-
Start	2563	End	2663
Name	OJ991210_10.0110.C2.o1.tc	Method	TBLASTX:Cress
Start	1355	End	1556
GI	none	Score	284
Exons	1355..1405, 1383..1556, 1451..1543		

Seq. No.	8655	Seq. ID	OJ991210_10.0110.C2
Gene No.	18418	Strand	-
Start	2563	End	2663
Name	OJ991210_10.0110.C2.o1.ts	Method	TBLASTX:Soybean
Start	1373	End	1556
GI	none	Score	257
Exons	1373..1543, 1377..1556		

Seq. No.	8655	Seq. ID	OJ991210_10.0110.C2
Gene No.	18418	Strand	-
Start	2563	End	2663
Name	OJ991210_10.0110.C2.o1.gp	Method	AAT/GAP
Start	2563	End	2663
GI	69953_1.R1084	Score	120
Exons	2563..2663		

GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		
Seq. No.	8656	Seq. ID	OJ991210_10.0110.C3
Gene No.	18419	Strand	-
Start	214	End	378
Name	OJ991210_10.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	187	End	345
GI	none	Score	116
Exons	187..339, 188..340, 190..345		
Seq. No.	8656	Seq. ID	OJ991210_10.0110.C3
Gene No.	18419	Strand	-
Start	214	End	378
Name	OJ991210_10.0110.C3.o1.gs	Method	GENSCAN
Start	214	End	378
GI	none	Score	.53
Exons	214..378		
Seq. No.	8657	Seq. ID	OJ991210_10.0110.C4
Gene No.	18420	Strand	+
Start	41	End	288
Name	OJ991210_10.0110.C4.o1.gs	Method	GENSCAN
Start	41	End	288
GI	none	Score	.92
Exons	41..112, 142..288		
Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953
Name	OJ991210_10.0110.C5.o1.np	Method	AAT/NAP
Start	1	End	2953
GI	2586083	Score	1247
Exons	1..155, 252..1143, 1285..1783, 1859..2487, 2563..2953		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		
Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953
Name	OJ991210_10.0110.C5.o1.ts	Method	TBLASTX:Soybean
Start	25	End	2640
GI	none	Score	114
Exons	25..156, 253..471, 320..607, 508..624, 508..633, 1012..1290, 1069..1257, 1072..1257, 1072..1287, 1075..1290, 1075..1284, 1075..1200, 1285..1482, 1285..1479, 1288..1485, 1288..1413, 1477..1644, 1483..1620, 1486..1611, 1489..1638, 1615..1728, 1621..1740, 1640..1750, 1642..1761, 1642..1782, 1642..1782, 1642..1767, 1642..1761, 1714..1782, 1852..2238, 1852..2196, 1858..2268, 1861..2280, 1861..2187, 1861..2244, 1861..2490, 1861..2280, 1862..1972, 1934..2239, 1994..2188, 2041..2154, 2290..2493, 2296..2634, 2296..2505, 2296..2592, 2369..2392, 2494..2640, 2500..2634, 2501..2629, 2515..2640, 2515..2625, 2515..2625		
Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953

Name	OJ991210_10.0110.C5.o1.gs	Method	GENSCAN
Start	29	End	2757
GI	none	Score	.62
Exons	29..155, 252..963, 1068..1093, 1230..2757		

Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953
Name	OJ991210_10.0110.C5.o2.tc	Method	TBLASTX:Cress
Start	52	End	2948
GI	none	Score	59
Exons	52..156, 253..318, 316..801, 2874..2948		

Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953
Name	OJ991210_10.0110.C5.o1.tm	Method	TBLASTX:Maize
Start	55	End	807
GI	none	Score	84
Exons	55..156, 62..157, 253..471, 493..807		

Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953
Name	OJ991210_10.0110.C5.o1.tw	Method	TBLASTX:Wheat
Start	346	End	655
GI	none	Score	105
Exons	346..621, 346..654, 500..655		

Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953
Name	OJ991210_10.0110.C5.o1.tc	Method	TBLASTX:Cress
Start	1030	End	2634
GI	none	Score	116
Exons	1030..1173, 1033..1200, 1049..1183, 1069..1284, 1070..1252, 1072..1269, 1072..1221, 1103..1222, 1132..1281, 1148..1261, 1172..1282, 1188..1304, 1241..1288, 1283..1477, 1288..1485, 1288..1413, 1291..1482, 1296..1484, 1354..1485, 1360..1428, 1486..1626, 1486..1626, 1553..1627, 1569..1628, 1636..1713, 1639..1698, 1642..1752, 1643..1702, 1691..1777, 1699..1779, 1708..1776, 1861..2181, 1862..2116, 1918..2061, 1933..2259, 2005..2133, 2062..2223, 2146..2280, 2149..2205, 2221..2346, 2290..2523, 2293..2367, 2335..2634, 2500..2625, 2509..2634, 2515..2634		

Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953
Name	OJ991210_10.0110.C5.o2.tm	Method	TBLASTX:Maize
Start	1072	End	2840
GI	none	Score	98
Exons	1072..1278, 1072..1185, 1075..1290, 1075..1284, 1075..1332, 1168..1284, 1285..1455, 1288..1536, 1288..1479, 1288..1485, 1486..1641, 1612..1752, 1636..1773, 1639..1782, 1642..1782, 1642..1767, 1852..2280, 1852..2262, 1861..2280, 1861..2205, 1861..2268, 1862..2116, 1882..2259, 1931..2044, 2032..2277,		

2141..2254, 2290..2493, 2290..2463, 2293..2415, 2296..2478,
2296..2487, 2296..2487, 2296..2499, 2297..2389, 2314..2472,
2515..2640, 2515..2640, 2722..2748, 2754..2840

Seq. No.	8658	Seq. ID	OJ991210_10.0110.C5
Gene No.	18421	Strand	-
Start	1	End	2953
Name	OJ991210_10.0110.C5.o2.tw	Method	TBLASTX:Wheat
Start	1075	End	2725
GI	none	Score	64
Exons	1075..1290, 1075..1200, 1078..1257, 1291..1485, 1303..1482, 1375..1485, 1852..2127, 2296..2487, 2299..2493, 2383..2493, 2506..2634, 2512..2625, 2512..2625, 2519..2626, 2681..2725		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18422	Strand	+
Start	1	End	8668
Name	OJ991210_10.0110.C7.o1.np	Method	AAT/NAP
Start	1	End	8668
GI	6714302	Score	407
Exons	1..113, 401..460, 947..1031, 1314..1381, 1608..1681, 2186..2244, 2315..2391, 5742..5913, 8626..8668		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18422	Strand	+
Start	1	End	8668
Name	OJ991210_10.0110.C7.o1.gs	Method	GENSCAN
Start	239	End	2190
GI	none	Score	.76
Exons	239..460, 947..1021, 1608..1659, 2186..2190		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18422	Strand	+
Start	1	End	8668
Name	OJ991210_10.0110.C7.o1.gp	Method	AAT/GAP
Start	1473	End	2760
GI	uC-osf1cyp023b02b1	Score	894
Exons	1473..1519, 1608..1681, 2186..2244, 2315..2391, 2500..2760		
GI Descrip.	'2499987/sp|P96386|PTH_MYCTU 5.0e-16 PEPTIDYL-TRNA HYDROLASE (PTH) >gi_1870014_emb_CAB06865_ (Z92539) pth [Mycobacterium tuberculosis]'		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18422	Strand	+
Start	1	End	8668
Name	OJ991210_10.0110.C7.o2.np	Method	AAT/NAP
Start	4770	End	6368
GI	4850369	Score	1858
Exons	4770..6368		
GI Descrip.	(AB027151) threonine synthase [Arabidopsis thaliana] gi|4914408|emb|CAB43659.1| (AL050352) threonine synthase [Arabidopsis thaliana]		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18422	Strand	+
Start	1	End	8668

Name	OJ991210_10.0110.C7.o2.gs	Method	GENSCAN
Start	4785	End	6362
GI	none	Score	.68
Exons	4785..6362		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18423	Strand	-
Start	7642	End	7837
Name	OJ991210_10.0110.C7.o4.tm	Method	TBLASTX:Maize
Start	2179	End	2409
GI	none	Score	59
Exons	2179..2244, 2187..2249, 2189..2248, 2313..2393, 2314..2409		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18423	Strand	-
Start	7642	End	7837
Name	OJ991210_10.0110.C7.o2.tm	Method	TBLASTX:Maize
Start	4821	End	5363
GI	none	Score	46
Exons	4821..4865, 4925..5038, 4953..5024, 4959..5363, 5064..5363		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18423	Strand	-
Start	7642	End	7837
Name	OJ991210_10.0110.C7.o1.ts	Method	TBLASTX:Soybean
Start	4953	End	6357
GI	none	Score	57
Exons	4953..5000, 5067..5327, 5099..5320, 5313..5423, 5336..5434, 5337..5441, 5436..6356, 5453..6337, 5538..6356, 6106..6357		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18423	Strand	-
Start	7642	End	7837
Name	OJ991210_10.0110.C7.o1.tc	Method	TBLASTX:Cress
Start	5067	End	6356
GI	none	Score	402
Exons	5067..5336, 5088..5327, 5099..5335, 5327..5434, 5337..5441, 5435..6334, 5436..6347, 5529..6356		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18423	Strand	-
Start	7642	End	7837
Name	OJ991210_10.0110.C7.o3.tm	Method	TBLASTX:Maize
Start	5364	End	5636
GI	none	Score	371
Exons	5364..5636, 5364..5426, 5366..5611, 5532..5636		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18423	Strand	-
Start	7642	End	7837
Name	OJ991210_10.0110.C7.o1.tm	Method	TBLASTX:Maize
Start	5637	End	6371
GI	none	Score	1070
Exons	5637..6371, 5637..5957, 5639..6370		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18423	Strand	-

Start	7642	End	7837
Name	OJ991210_10.0110.C7.o1.tw	Method	TBLASTX:Wheat
Start	5756	End	6365
GI	none	Score	794
Exons	5756..6250, 5757..6251, 5757..6251, 6252..6365, 6279..6362, 6281..6364		

Seq. No.	8659	Seq. ID	OJ991210_10.0110.C7
Gene No.	18423	Strand	-
Start	7642	End	7837
Name	OJ991210_10.0110.C7.o3.gs	Method	GENSCAN
Start	7642	End	7837
GI	none	Score	.8
Exons	7642..7710, 7742..7837		

Seq. No.	8660	Seq. ID	OJ991210_10.0110.C8
Gene No.	18424	Strand	+
Start	1	End	1871
Name	OJ991210_10.0110.C8.o1.np	Method	AAT/NAP
Start	1	End	130
GI	128191	Score	138
Exons	1..130		
GI Descrip.	NITRATE REDUCTASE [NAD(P)H] gi|66210|pir||RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley gi|19065|emb|CAA42739| (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]		

Seq. No.	8660	Seq. ID	OJ991210_10.0110.C8
Gene No.	18424	Strand	+
Start	1	End	1871
Name	OJ991210_10.0110.C8.o2.np	Method	AAT/NAP
Start	1	End	1847
GI	4680191	Score	71
Exons	1..61, 810..853, 1766..1847		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	8660	Seq. ID	OJ991210_10.0110.C8
Gene No.	18424	Strand	+
Start	1	End	1871
Name	OJ991210_10.0110.C8.o1.gs	Method	GENSCAN
Start	5	End	1871
GI	none	Score	.82
Exons	5..97, 601..798, 1281..1871		

Seq. No.	8660	Seq. ID	OJ991210_10.0110.C8
Gene No.	18425	Strand	-
Start	2175	End	2244
Name	OJ991210_10.0110.C8.o2.gs	Method	GENSCAN
Start	2175	End	2244
GI	none	Score	.99
Exons	2175..2244		

Seq. No.	8661	Seq. ID	OJ991210_10.0110.C9
Gene No.	18426	Strand	-
Start	208	End	256
Name	OJ991210_10.0110.C9.o1.gs	Method	GENSCAN
Start	208	End	256

GI	none	Score	.42
Exons	208..256		

Seq. No.	8662	Seq. ID	OJ991210_10.0110.C10
Gene No.	18427	Strand	+
Start	861	End	1357
Name	OJ991210_10.0110.C10.o1.tm	Method	TBLASTX:Maize
Start	860	End	1355
GI	none	Score	167
Exons	860..967, 862..960, 867..968, 1030..1137, 1030..1137, 1032..1139, 1135..1185, 1137..1181, 1253..1348, 1283..1348, 1293..1355		

Seq. No.	8662	Seq. ID	OJ991210_10.0110.C10
Gene No.	18427	Strand	+
Start	861	End	1357
Name	OJ991210_10.0110.C10.o1.gp	Method	AAT/GAP
Start	861	End	1357
GI	67501_1.R1084	Score	518
Exons	861..958, 1033..1185, 1295..1357		
GI Descrip.	'4335719/gb|AAD17397| 5.0e-22 (AC006248) putative RING-H2 finger protein RHG1a [Arabidopsis thaliana]'		

Seq. No.	8662	Seq. ID	OJ991210_10.0110.C10
Gene No.	18427	Strand	+
Start	861	End	1357
Name	OJ991210_10.0110.C10.o1.np	Method	AAT/NAP
Start	863	End	1357
GI	6692739	Score	153
Exons	863..958, 1033..1185, 1295..1357		
GI Descrip.	(AC012679) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	8662	Seq. ID	OJ991210_10.0110.C10
Gene No.	18427	Strand	+
Start	861	End	1357
Name	OJ991210_10.0110.C10.o1.gs	Method	GENSCAN
Start	899	End	1185
GI	none	Score	.65
Exons	899..958, 1033..1185		

Seq. No.	8663	Seq. ID	OJ991210_10.0110.C11
Gene No.	18428	Strand	-
Start	1	End	483
Name	OJ991210_10.0110.C11.o1.np	Method	AAT/NAP
Start	1	End	483
GI	2072393	Score	305
Exons	1..268, 460..483		
GI Descrip.	(U29168) similar to human Xeroderma pigmentosum group B DNA repair protein, Swiss-Prot Accession Number P19447 [Arabidopsis thaliana]		

Seq. No.	8663	Seq. ID	OJ991210_10.0110.C11
Gene No.	18428	Strand	-
Start	1	End	483
Name	OJ991210_10.0110.C11.o1.tc	Method	TBLASTX:Cress
Start	35	End	268

GI	none	Score	143
Exons	35..136, 39..137, 40..144, 136..267, 137..265, 167..268		

Seq. No.	8663	Seq. ID	OJ991210_10.0110.C11
Gene No.	18428	Strand	-
Start	1	End	483
Name	OJ991210_10.0110.C11.o1.ts	Method	TBLASTX:Soybean
Start	50	End	268
GI	none	Score	100
Exons	50..136, 51..137, 136..267, 137..265, 152..268		

Seq. No.	8664	Seq. ID	OJ991210_10.0110.C13
Gene No.	18429	Strand	+
Start	352	End	1880
Name	OJ991210_10.0110.C13.o1.gp	Method	AAT/GAP
Start	352	End	878
GI	14116_1.R1084	Score	477
Exons	352..542, 779..878		
GI Descrip.	'1143511/emb|CAA87385| 1.0e-55 (Z47076) Ser/Thr protein phosphatase homologous to PPX [Malus domestica] >gi_1586034_prf__2202340A Ser/Thr protein phosphatase [Malus domestica]'		

Seq. No.	8664	Seq. ID	OJ991210_10.0110.C13
Gene No.	18429	Strand	+
Start	352	End	1880
Name	OJ991210_10.0110.C13.o1.tm	Method	TBLASTX:Maize
Start	402	End	1846
GI	none	Score	34
Exons	402..440, 456..545, 461..544, 764..859, 766..894, 848..940, 850..945, 852..926, 853..945, 1038..1109, 1038..1109, 1039..1110, 1039..1113, 1040..1111, 1769..1846, 1780..1842		

Seq. No.	8664	Seq. ID	OJ991210_10.0110.C13
Gene No.	18429	Strand	+
Start	352	End	1880
Name	OJ991210_10.0110.C13.o1.tc	Method	TBLASTX:Cress
Start	461	End	1846
GI	none	Score	123
Exons	461..544, 462..545, 766..894, 848..940, 852..926, 1038..1106, 1039..1110, 1769..1846, 1780..1842		

Seq. No.	8664	Seq. ID	OJ991210_10.0110.C13
Gene No.	18429	Strand	+
Start	352	End	1880
Name	OJ991210_10.0110.C13.o1.ts	Method	TBLASTX:Soybean
Start	461	End	1846
GI	none	Score	121
Exons	461..544, 462..545, 766..843, 852..926, 853..927, 854..940, 1038..1103, 1038..1109, 1039..1110, 1769..1846, 1780..1842		

Seq. No.	8664	Seq. ID	OJ991210_10.0110.C13
Gene No.	18429	Strand	+
Start	352	End	1880
Name	OJ991210_10.0110.C13.o1.gs	Method	GENSCAN
Start	462	End	1106
GI	none	Score	.55

Exons 462..542, 779..926, 1022..1106

Seq. No. 8664 Seq. ID OJ991210_10.0110.C13
Gene No. 18429 Strand +
Start 352 End 1880
Name OJ991210_10.0110.C13.o1.np Method AAT/NAP
Start 462 End 1880
GI 1143511 Score 402
Exons 462..542, 779..926, 1039..1106, 1783..1880
GI Descrip. (Z47076) Ser/Thr protein phosphatase homologous to PPX [Malus domestica] gi|1586034|prf||2202340A Ser/Thr protein phosphatase [Malus domestica]

Seq. No. 8665 Seq. ID OJ991210_10.0110.C14
Gene No. 18430 Strand +
Start 1 End 1554
Name OJ991210_10.0110.C14.o1.np Method AAT/NAP
Start 1 End 1373
GI 1143511 Score 585
Exons 1..60, 191..352, 471..566, 682..753, 1293..1373
GI Descrip. (Z47076) Ser/Thr protein phosphatase homologous to PPX [Malus domestica] gi|1586034|prf||2202340A Ser/Thr protein phosphatase [Malus domestica]

Seq. No. 8665 Seq. ID OJ991210_10.0110.C14
Gene No. 18430 Strand +
Start 1 End 1554
Name OJ991210_10.0110.C14.o1.gp Method AAT/GAP
Start 28 End 1554
GI 60137_1.R1084 Score 1058
Exons 28..65, 176..352, 471..566, 682..753, 1293..1554
GI Descrip. '1143511/emb|CAA87385| 6.0e-87 (Z47076) Ser/Thr protein phosphatase homologous to PPX [Malus domestica] >gi_1586034_prf__2202340A Ser/Thr protein phosphatase [Malus domestica]'

Seq. No. 8665 Seq. ID OJ991210_10.0110.C14
Gene No. 18430 Strand +
Start 1 End 1554
Name OJ991210_10.0110.C14.o1.gs Method GENSCAN
Start 209 End 900
GI none Score .77
Exons 209..352, 471..566, 682..900

Seq. No. 8665 Seq. ID OJ991210_10.0110.C14
Gene No. 18431 Strand -
Start 1143 End 2057
Name OJ991210_10.0110.C14.o1.tm Method TBLASTX:Maize
Start 190 End 1573
GI none Score 293
Exons 190..366, 191..352, 468..569, 470..568, 673..759, 682..753, 683..793, 684..764, 1291..1380, 1292..1381, 1293..1379, 1371..1403, 1372..1404, 1379..1411, 1381..1404, 1391..1501, 1404..1499, 1404..1502, 1408..1503, 1414..1506, 1489..1536, 1490..1534, 1541..1573

Seq. No. 8665 Seq. ID OJ991210_10.0110.C14

Gene No.	18431	Strand	-
Start	1143	End	2057
Name	OJ991210_10.0110.C14.o1.tc	Method	TBLASTX:Cress
Start	191	End	747
GI	none	Score	173
Exons	191..352, 220..333, 468..554, 682..747		

Seq. No.	8665	Seq. ID	OJ991210_10.0110.C14
Gene No.	18431	Strand	-
Start	1143	End	2057
Name	OJ991210_10.0110.C14.o1.tw	Method	TBLASTX:Wheat
Start	191	End	753
GI	none	Score	174
Exons	191..352, 194..352, 467..529, 468..539, 682..753		

Seq. No.	8665	Seq. ID	OJ991210_10.0110.C14
Gene No.	18431	Strand	-
Start	1143	End	2057
Name	OJ991210_10.0110.C14.o1.ts	Method	TBLASTX:Soybean
Start	191	End	1397
GI	none	Score	280
Exons	191..352, 196..384, 468..569, 470..568, 681..755, 682..753, 684..755, 1284..1397, 1284..1370, 1292..1372		

Seq. No.	8665	Seq. ID	OJ991210_10.0110.C14
Gene No.	18431	Strand	-
Start	1143	End	2057
Name	OJ991210_10.0110.C14.o2.gs	Method	GENSCAN
Start	1143	End	2057
GI	none	Score	.56
Exons	1143..1280, 1335..1414, 2003..2057		

Seq. No.	8665	Seq. ID	OJ991210_10.0110.C14
Gene No.	18431	Strand	-
Start	1143	End	2057
Name	OJ991210_10.0110.C14.o2.tw	Method	TBLASTX:Wheat
Start	1284	End	1555
GI	none	Score	144
Exons	1284..1379, 1292..1378, 1296..1382, 1383..1412, 1385..1456, 1385..1423, 1407..1457, 1481..1555, 1500..1553, 1501..1554		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18432	Strand	+
Start	9132	End	14288
Name	OJ991210_10.0110.C15.o5.gs	Method	GENSCAN
Start	9132	End	14071
GI	none	Score	.55
Exons	9132..9254, 9256..9444, 9890..9992, 10548..10593, 10724..11477, 11985..12158, 12305..14071		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18432	Strand	+
Start	9132	End	14288
Name	OJ991210_10.0110.C15.o1.gp	Method	AAT/GAP
Start	10905	End	11163
GI	none	Score	499
Exons	10905..11163		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18432	Strand	+
Start	9132	End	14288
Name	OJ991210_10.0110.C15.o3.gp	Method	AAT/GAP
Start	13663	End	14288
GI	12340_1.R1084	Score	1153
Exons	13663..14288		
GI Descrip.	'418548/sp|P32698|YJBQ_ECOLI 7.0e-16 HYPOTHETICAL 15.7 KD PROTEIN IN APHA-UVRA INTERGENIC REGION (O138) >gi_396391 (U00006) No definition line found [Escherichia coli] >gi_1790491 (AE000479) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18433	Strand	+
Start	16960	End	21616
Name	OJ991210_10.0110.C15.o7.gs	Method	GENSCAN
Start	16960	End	21616
GI	none	Score	.86
Exons	16960..17353, 17386..17477, 18531..19229, 19325..19427, 19829..19960, 20357..20527, 21047..21147, 21521..21616		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18433	Strand	+
Start	16960	End	21616
Name	OJ991210_10.0110.C15.o3.np	Method	AAT/NAP
Start	17048	End	20538
GI	5103806	Score	1206
Exons	17048..17310, 17400..17477, 18531..19229, 19325..19427, 19619..19714, 19790..19960, 20357..20538		
GI Descrip.	(AC007591) EST gb|F14271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18433	Strand	+
Start	16960	End	21616
Name	OJ991210_10.0110.C15.o4.np	Method	AAT/NAP
Start	21040	End	21275
GI	6899652	Score	195
Exons	21040..21147, 21219..21275		
GI Descrip.	(AC012189) Contains similarity to unknown stress inducible protein product from Hordeum vulgare gb|AJ000230. [Arabidopsis thaliana]		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18434	Strand	-
Start	2552	End	3049
Name	OJ991210_10.0110.C15.o2.gs	Method	GENSCAN
Start	2552	End	3049
GI	none	Score	.89
Exons	2552..3049		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18435	Strand	-
Start	4837	End	5182
Name	OJ991210_10.0110.C15.o3.gs	Method	GENSCAN
Start	4837	End	5182

GI	none	Score	.83
Exons	4837..4901, 5038..5182		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18436	Strand	-
Start	5560	End	8537
Name	OJ991210_10.0110.C15.o4.gs	Method	GENSCAN
Start	5560	End	8537
GI	none	Score	.69
Exons	5560..5937, 6054..6480, 7024..7131, 7656..7831, 7837..8124, 8202..8537		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18436	Strand	-
Start	5560	End	8537
Name	OJ991210_10.0110.C15.o1.np	Method	AAT/NAP
Start	5572	End	6377
GI	2190992	Score	633
Exons	5572..5930, 6047..6377		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18436	Strand	-
Start	5560	End	8537
Name	OJ991210_10.0110.C15.o2.np	Method	AAT/NAP
Start	7759	End	8528
GI	2190992	Score	586
Exons	7759..8124, 8202..8528		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18437	Strand	-
Start	11219	End	11781
Name	OJ991210_10.0110.C15.o2.gp	Method	AAT/GAP
Start	11219	End	11781
GI	none	Score	1078
Exons	11219..11781		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18438	Strand	-
Start	14941	End	16333
Name	OJ991210_10.0110.C15.o1.tm	Method	TBLASTX:Maize
Start	5535	End	8495
GI	none	Score	312
Exons	5535..5636, 5569..5856, 5569..5733, 5733..5756, 5812..5940, 6060..6362, 6144..6227, 6151..6342, 6299..6364, 6300..6365, 7755..7829, 7756..8064, 7756..8112, 8203..8265, 8205..8267, 8205..8267, 8206..8268, 8263..8295, 8265..8381, 8265..8495, 8272..8493		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18438	Strand	-
Start	14941	End	16333
Name	OJ991210_10.0110.C15.o1.ts	Method	TBLASTX:Soybean
Start	5566	End	8492
GI	none	Score	90
Exons	5566..5733, 6144..6362, 7750..8082, 7760..7951, 7768..8040,		

8205..8282, 8289..8492, 8290..8379

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18438	Strand	-
Start	14941	End	16333
Name	OJ991210_10.0110.C15.o2.tc	Method	TBLASTX:Cress
Start	5617	End	8082
GI	none	Score	188
Exons	5617..5715, 5809..5940, 7798..8082		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18438	Strand	-
Start	14941	End	16333
Name	OJ991210_10.0110.C15.o1.tw	Method	TBLASTX:Wheat
Start	5749	End	8484
GI	none	Score	110
Exons	5749..5865, 5804..5941, 5812..5940, 6048..6086, 6144..6227, 6144..6332, 6154..6333, 6196..6333, 7921..8112, 7936..8049, 7991..8113, 8205..8285, 8205..8273, 8265..8483, 8272..8484, 8398..8484		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18438	Strand	-
Start	14941	End	16333
Name	OJ991210_10.0110.C15.o1.tc	Method	TBLASTX:Cress
Start	6060	End	8492
GI	none	Score	52
Exons	6060..6086, 6144..6362, 8205..8273, 8206..8274, 8277..8492, 8286..8381		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18438	Strand	-
Start	14941	End	16333
Name	OJ991210_10.0110.C15.o2.tm	Method	TBLASTX:Maize
Start	12707	End	13162
GI	none	Score	82
Exons	12707..12763, 12836..13003, 13111..13161, 13115..13162		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18438	Strand	-
Start	14941	End	16333
Name	OJ991210_10.0110.C15.o4.ts	Method	TBLASTX:Soybean
Start	12887	End	13369
GI	none	Score	66
Exons	12887..12976, 13115..13369, 13129..13368		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18438	Strand	-
Start	14941	End	16333
Name	OJ991210_10.0110.C15.o6.gs	Method	GENSCAN
Start	14941	End	16333
GI	none	Score	.52
Exons	14941..15504, 15680..15812, 16116..16333		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18439	Strand	
Start	17408	End	19405

Name	OJ991210_10.0110.C15.o2.ts	Method	TBLASTX:Soybean
Start	17408	End	19405
GI	none	Score	103
Exons	17408..17473, 17409..17489, 18459..18476, 18528..18617, 18533..18634, 18819..19232, 18830..19231, 19041..19238, 19322..19405		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18440	Strand	
Start	19359	End	19895
Name	OJ991210_10.0110.C15.o3.tm	Method	TBLASTX:Maize
Start	19359	End	19895
GI	none	Score	89
Exons	19359..19427, 19359..19427, 19360..19428, 19361..19429, 19364..19429, 19585..19677, 19608..19706, 19609..19710, 19617..19712, 19785..19895, 19786..19893, 19800..19895		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18441	Strand	
Start	20338	End	21289
Name	OJ991210_10.0110.C15.o3.ts	Method	TBLASTX:Soybean
Start	20338	End	21272
GI	none	Score	80
Exons	20338..20523, 20358..20522, 20358..20537, 20359..20523, 21015..21032, 21042..21158, 21046..21144, 21218..21256, 21219..21272		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18441	Strand	
Start	20338	End	21289
Name	OJ991210_10.0110.C15.o3.tc	Method	TBLASTX:Cress
Start	20394	End	21269
GI	none	Score	164
Exons	20394..20537, 20395..20523, 21042..21158, 21046..21144, 21063..21149, 21218..21268, 21219..21269		

Seq. No.	8666	Seq. ID	OJ991210_10.0110.C15
Gene No.	18441	Strand	
Start	20338	End	21289
Name	OJ991210_10.0110.C15.o4.tm	Method	TBLASTX:Maize
Start	21030	End	21289
GI	none	Score	185
Exons	21030..21146, 21043..21147, 21212..21256, 21219..21257, 21263..21289		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18442	Strand	+
Start	1158	End	4953
Name	OJ991210_10.0110.C16.o2.gs	Method	GENSCAN
Start	1158	End	4953
GI	none	Score	.61
Exons	1158..1740, 4229..4446, 4702..4953		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18443	Strand	+
Start	11142	End	15113
Name	OJ991210_10.0110.C16.o1.np	Method	AAT/NAP

Start	11142	End	15113
GI	5430765	Score	298
Exons	11142..11181, 12043..12132, 14191..14452, 14495..15113		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18443	Strand	+
Start	11142	End	15113
Name	OJ991210_10.0110.C16.o5.gs	Method	GENSCAN
Start	14148	End	15098
GI	none	Score	.52
Exons	14148..15098		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18444	Strand	+
Start	16957	End	22473
Name	OJ991210_10.0110.C16.o2.np	Method	AAT/NAP
Start	16664	End	17175
GI	119110	Score	108
Exons	16664..17175		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi|73987|pir||QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi|1334880|emb|CAA24816.1| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18444	Strand	+
Start	16957	End	22473
Name	OJ991210_10.0110.C16.o6.gs	Method	GENSCAN
Start	16957	End	22278
GI	none	Score	.4
Exons	16957..17211, 17822..17900, 18637..18690, 18786..18807, 19861..20139, 20407..20650, 20741..20828, 21419..21460, 21536..21608, 21640..21665, 22085..22278		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18444	Strand	+
Start	16957	End	22473
Name	OJ991210_10.0110.C16.o2.gp	Method	AAT/GAP
Start	20037	End	20650
GI	2310357	Score	780
Exons	20037..20144, 20341..20650		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18444	Strand	+
Start	16957	End	22473
Name	OJ991210_10.0110.C16.o3.np	Method	AAT/NAP
Start	20429	End	21907
GI	5103807	Score	810
Exons	20429..20650, 20741..20828, 20917..21026, 21133..21226, 21419..21596, 21719..21907		
GI Descrip.	(AC007591) Contains similarity to gb|AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb|T88254 and gb|AA394650 come from this gene. [Arabidopsis thaliana]		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16

Gene No.	18444	Strand	+
Start	16957	End	22473
Name	OJ991210_10.0110.C16.o3.gp	Method	AAT/GAP
Start	21147	End	22473
GI	5771042	Score	1293
Exons	21147..21226, 21419..21608, 21730..21789, 22085..22473		
GI Descrip.	5103807/gb|AAD39637.1|AC007591_2 2.0e-37 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18445	Strand	-
Start	458	End	1746
Name	OJ991210_10.0110.C16.o1.gp	Method	AAT/GAP
Start	458	End	1746
GI	67501_1.R1084	Score	205
Exons	458..511, 1657..1746		
GI Descrip.	'4335719/gb|AAD17397| 5.0e-22 (AC006248) putative RING-H2 finger protein RHG1a [Arabidopsis thaliana]'		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18445	Strand	-
Start	458	End	1746
Name	OJ991210_10.0110.C16.o1.gs	Method	GENSCAN
Start	458	End	753
GI	none	Score	.78
Exons	458..634, 745..753		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18446	Strand	-
Start	5711	End	7603
Name	OJ991210_10.0110.C16.o3.gs	Method	GENSCAN
Start	5711	End	7603
GI	none	Score	.67
Exons	5711..5819, 5922..6000, 7399..7603		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18447	Strand	
Start	20464	End	21791
Name	OJ991210_10.0110.C16.o1.tm	Method	TBLASTX:Maize
Start	20464	End	21495
GI	none	Score	215
Exons	20464..20652, 20465..20653, 20743..20826, 20783..20830, 20904..21020, 20912..21028, 20924..21028, 21123..21227, 21123..21224, 21124..21228, 21448..21495		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18447	Strand	
Start	20464	End	21791
Name	OJ991210_10.0110.C16.o2.ts	Method	TBLASTX:Soybean
Start	20464	End	21004
GI	none	Score	70
Exons	20464..20649, 20465..20512, 20470..20643, 20561..20653, 20761..20823, 20783..20830, 20904..21002, 20915..21004, 20924..21004		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18447	Strand	
Start	20464	End	21791
Name	OJ991210_10.0110.C16.o1.tw	Method	TBLASTX:Wheat
Start	21169	End	21770
GI	none	Score	87
Exons	21169..21225, 21411..21608, 21423..21587, 21544..21648, 21728..21769, 21729..21770		

Seq. No.	8667	Seq. ID	OJ991210_10.0110.C16
Gene No.	18447	Strand	
Start	20464	End	21791
Name	OJ991210_10.0110.C16.o1.ts	Method	TBLASTX:Soybean
Start	21447	End	21791
GI	none	Score	83
Exons	21447..21638, 21448..21495, 21489..21593, 21544..21609, 21729..21791		

Seq. No.	8668	Seq. ID	OJ991210_10.0110.C18
Gene No.	18448	Strand	+
Start	507	End	817
Name	OJ991210_10.0110.C18.o1.gs	Method	GENSCAN
Start	507	End	817
GI	none	Score	.47
Exons	507..606, 723..817		

Seq. No.	8669	Seq. ID	OJ991210_10.0110.C19
Gene No.	18449	Strand	+
Start	214	End	625
Name	OJ991210_10.0110.C19.o1.gs	Method	GENSCAN
Start	214	End	625
GI	none	Score	.63
Exons	214..271, 468..625		

Seq. No.	8670	Seq. ID	OJ991210_10.0110.C21
Gene No.	18450	Strand	-
Start	744	End	1283
Name	OJ991210_10.0110.C21.o1.np	Method	AAT/NAP
Start	744	End	1283
GI	6539585	Score	150
Exons	744..815, 1112..1283		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8671	Seq. ID	OJ991210_10.0110.C22
Gene No.	18451	Strand	-
Start	1259	End	2003
Name	OJ991210_10.0110.C22.o1.gs	Method	GENSCAN
Start	1259	End	2003
GI	none	Score	.79
Exons	1259..1406, 1565..1641, 1946..2003		

Seq. No.	8672	Seq. ID	OJ991210_10.0110.C23
Gene No.	18452	Strand	-
Start	1222	End	2203
Name	OJ991210_10.0110.C23.o1.gs	Method	GENSCAN
Start	1222	End	2203
GI	none	Score	.44

Exons	1222..1336, 1621..1665, 2158..2203		
Seq. No.	8673	Seq. ID	OJ991210_10.0110.C24
Gene No.	18453	Strand	+
Start	110	End	1315
Name	OJ991210_10.0110.C24.o1.gs	Method	GENSCAN
Start	110	End	1315
GI	none	Score	.76
Exons	110..847, 914..1315		
Seq. No.	8674	Seq. ID	OJ991210_10.0110.C25
Gene No.	18454	Strand	-
Start	45	End	218
Name	OJ991210_10.0110.C25.o1.gs	Method	GENSCAN
Start	45	End	218
GI	none	Score	.86
Exons	45..218		
Seq. No.	8675	Seq. ID	OJ991210_10.0110.C27
Gene No.	18455	Strand	-
Start	1050	End	1838
Name	OJ991210_10.0110.C27.o1.gs	Method	GENSCAN
Start	1050	End	1838
GI	none	Score	.94
Exons	1050..1204, 1363..1440, 1763..1838		
Seq. No.	8676	Seq. ID	OJ991210_10.0110.C28
Gene No.	18456	Strand	+
Start	236	End	484
Name	OJ991210_10.0110.C28.o1.gs	Method	GENSCAN
Start	236	End	484
GI	none	Score	.88
Exons	236..484		
Seq. No.	8676	Seq. ID	OJ991210_10.0110.C28
Gene No.	18457	Strand	+
Start	2825	End	3320
Name	OJ991210_10.0110.C28.o1.gp	Method	AAT/GAP
Start	2710	End	3320
GI	2310236	Score	559
Exons	2710..2971, 3269..3320		
Seq. No.	8676	Seq. ID	OJ991210_10.0110.C28
Gene No.	18457	Strand	+
Start	2825	End	3320
Name	OJ991210_10.0110.C28.o1.np	Method	AAT/NAP
Start	2825	End	3320
GI	3868859	Score	303
Exons	2825..2994, 3049..3320		
GI Descrip.	(AB013887) RAV2 [Arabidopsis thaliana] gi|6358760|gb|AAF07342.1|AC011665_1 (AC011665) putative DNA-binding protein (RAV2-like) [Arabidopsis thaliana] gi|6524177|gb|AAF15062.1|AC011914_4 (AC011914) RAV2 [Arabidopsis thaliana]		
Seq. No.	8676	Seq. ID	OJ991210_10.0110.C28
Gene No.	18457	Strand	+

Start	2825	End	3320
Name	OJ991210_10.0110.C28.o1.tw	Method	TBLASTX:Wheat
Start	2825	End	3115
GI	none	Score	129
Exons	2825..2992, 3050..3115, 3052..3114		

Seq. No.	8676	Seq. ID	OJ991210_10.0110.C28
Gene No.	18457	Strand	+
Start	2825	End	3320
Name	OJ991210_10.0110.C28.o2.gs	Method	GENSCAN
Start	2825	End	3301
GI	none	Score	.99
Exons	2825..3301		

Seq. No.	8676	Seq. ID	OJ991210_10.0110.C28
Gene No.	18457	Strand	+
Start	2825	End	3320
Name	OJ991210_10.0110.C28.o1.ts	Method	TBLASTX:Soybean
Start	2930	End	3229
GI	none	Score	49
Exons	2930..2965, 3047..3196, 3049..3222, 3050..3229		

Seq. No.	8676	Seq. ID	OJ991210_10.0110.C28
Gene No.	18457	Strand	+
Start	2825	End	3320
Name	OJ991210_10.0110.C28.o1.tc	Method	TBLASTX:Cress
Start	3047	End	3229
GI	none	Score	282
Exons	3047..3187, 3049..3222, 3050..3229		

Seq. No.	8677	Seq. ID	OJ991210_10.0110.C30
Gene No.	18458	Strand	+
Start	588	End	680
Name	OJ991210_10.0110.C30.o1.gs	Method	GENSCAN
Start	588	End	680
GI	none	Score	.74
Exons	588..680		

Seq. No.	8678	Seq. ID	OJ991210_10.0110.C31
Gene No.	18459	Strand	-
Start	192	End	712
Name	OJ991210_10.0110.C31.o1.tc	Method	TBLASTX:Cress
Start	165	End	712
GI	none	Score	98
Exons	165..308, 192..305, 387..446, 388..432, 427..465, 534..692, 536..700, 542..712, 543..701		

Seq. No.	8678	Seq. ID	OJ991210_10.0110.C31
Gene No.	18459	Strand	-
Start	192	End	712
Name	OJ991210_10.0110.C31.o1.tm	Method	TBLASTX:Maize
Start	165	End	703
GI	none	Score	142
Exons	165..308, 192..305, 387..440, 388..432, 440..466, 534..686, 536..703, 536..700		

Seq. No.	8678	Seq. ID	OJ991210_10.0110.C31

Gene No.	18459	Strand	-
Start	192	End	712
Name	OJ991210_10.0110.C31.o1.ts	Method	TBLASTX:Soybean
Start	171	End	700
GI	none	Score	111
Exons	171..308, 192..305, 387..446, 427..465, 440..466, 534..692, 536..700, 536..700		

Seq. No.	8678	Seq. ID	OJ991210_10.0110.C31
Gene No.	18459	Strand	-
Start	192	End	712
Name	OJ991210_10.0110.C31.o1.gs	Method	GENSCAN
Start	192	End	461
GI	none	Score	.72
Exons	192..305, 390..461		

Seq. No.	8678	Seq. ID	OJ991210_10.0110.C31
Gene No.	18459	Strand	-
Start	192	End	712
Name	OJ991210_10.0110.C31.o1.np	Method	AAT/NAP
Start	192	End	700
GI	2072393	Score	412
Exons	192..305, 390..463, 534..700		
GI Descrip.	(U29168) similar to human Xeroderma pigmentosum group B DNA repair protein, Swiss-Prot Accession Number P19447 [Arabidopsis thaliana]		

Seq. No.	8679	Seq. ID	OJ991210_13.0110.C2
Gene No.	18460	Strand	-
Start	682	End	1095
Name	OJ991210_13.0110.C2.o1.gp	Method	AAT/GAP
Start	682	End	1095
GI	none	Score	770
Exons	682..1095		

Seq. No.	8680	Seq. ID	OJ991210_13.0110.C3
Gene No.	18461	Strand	-
Start	272	End	3158
Name	OJ991210_13.0110.C3.o1.gs	Method	GENSCAN
Start	272	End	3113
GI	none	Score	.63
Exons	272..357, 907..1048, 1457..1512, 1705..1880, 2572..2845, 3109..3113		

Seq. No.	8680	Seq. ID	OJ991210_13.0110.C3
Gene No.	18461	Strand	-
Start	272	End	3158
Name	OJ991210_13.0110.C3.o1.np	Method	AAT/NAP
Start	2345	End	3158
GI	2623307	Score	419
Exons	2345..2472, 2568..2845, 3109..3158		
GI Descrip.	(AC002409) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	8680	Seq. ID	OJ991210_13.0110.C3
Gene No.	18461	Strand	-
Start	272	End	3158

Name	OJ991210_13.0110.C3.o1.tc	Method	TBLASTX:Cress
Start	2369	End	3158
GI	none	Score	70
Exons	2369..2458, 2575..2844, 2583..2798, 2675..2842, 2692..2847, 2694..2846, 3108..3158		

Seq. No.	8680	Seq. ID	OJ991210_13.0110.C3
Gene No.	18461	Strand	-
Start	272	End	3158
Name	OJ991210_13.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	2372	End	2758
GI	none	Score	76
Exons	2372..2458, 2376..2474, 2575..2757, 2577..2735, 2587..2736, 2684..2758		

Seq. No.	8680	Seq. ID	OJ991210_13.0110.C3
Gene No.	18461	Strand	-
Start	272	End	3158
Name	OJ991210_13.0110.C3.o1.ts	Method	TBLASTX:Soybean
Start	2372	End	3149
GI	none	Score	66
Exons	2372..2458, 2376..2459, 2575..2844, 2585..2845, 2675..2845, 2686..2880, 3106..3147, 3108..3149		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18462	Strand	+
Start	16524	End	29700
Name	OJ991210_13.0110.C4.o4.np	Method	AAT/NAP
Start	16524	End	26675
GI	5777621	Score	105
Exons	16524..16540, 20168..20429, 20950..21004, 26649..26675		
GI Descrip.	(AJ245900) CAA30379.1 protein [Oryza sativa]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18462	Strand	+
Start	16524	End	29700
Name	OJ991210_13.0110.C4.o5.gs	Method	GENSCAN
Start	17864	End	29700
GI	none	Score	.67
Exons	17864..17961, 18952..19016, 19597..19731, 19737..19880, 20168..20429, 20548..20600, 20629..20759, 20912..21001, 21079..21148, 21264..21544, 21665..21809, 22481..23131, 24720..24854, 24895..24990, 26531..26576, 26720..26864, 26916..27275, 27669..27962, 27992..28271, 28908..29097, 29201..29233, 29508..29700		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18462	Strand	+
Start	16524	End	29700
Name	OJ991210_13.0110.C4.o5.np	Method	AAT/NAP
Start	19886	End	22208
GI	6721512	Score	80
Exons	19886..19916, 22108..22208		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18462	Strand	+

Start	16524	End	29700
Name	OJ991210_13.0110.C4.o7.np	Method	AAT/NAP
Start	26745	End	28294
GI	4455246	Score	779
Exons	26745..26864, 26943..27069, 27100..27228, 27676..28294		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18463	Strand	+
Start	50156	End	51200
Name	OJ991210_13.0110.C4.o11.gs	Method	GENSCAN
Start	50156	End	51200
GI	none	Score	.58
Exons	50156..50211, 51023..51200		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18464	Strand	+
Start	54697	End	57958
Name	OJ991210_13.0110.C4.o7.gp	Method	AAT/GAP
Start	54697	End	55437
GI	3762748	Score	700
Exons	54697..54774, 54882..55170, 55399..55437		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18464	Strand	+
Start	54697	End	57958
Name	OJ991210_13.0110.C4.o13.gs	Method	GENSCAN
Start	55298	End	57958
GI	none	Score	.86
Exons	55298..55360, 55399..55572, 55653..56510, 56613..56765, 57542..57958		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18465	Strand	+
Start	59633	End	59931
Name	OJ991210_13.0110.C4.o12.np	Method	AAT/NAP
Start	59633	End	59931
GI	2864614	Score	181
Exons	59633..59931		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18466	Strand	-
Start	1	End	4787
Name	OJ991210_13.0110.C4.o1.np	Method	AAT/NAP
Start	1	End	3012
GI	6648604	Score	698
Exons	1..207, 303..614, 695..870, 2973..3012		
GI Descrip.	(AF048705) ubiquitin-specific protease; UBP5 [Arabidopsis thaliana]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18466	Strand	-
Start	1	End	4787
Name	OJ991210_13.0110.C4.o1.gs	Method	GENSCAN
Start	72	End	4787
GI	none	Score	.64

Exons	72..207, 303..614, 695..991, 1274..1333, 1420..1546, 1836..1948, 4359..4787		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18467	Strand	-
Start	7701	End	7991
Name	OJ991210_13.0110.C4.o1.gp	Method	AAT/GAP
Start	7701	End	7991
GI	3762721	Score	531
Exons	7701..7991		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18468	Strand	-
Start	7956	End	8427
Name	OJ991210_13.0110.C4.o2.np	Method	AAT/NAP
Start	7956	End	8427
GI	4115916	Score	324
Exons	7956..8427		
GI Descrip.	(AF118222) F3H7.9 gene product [Arabidopsis thaliana] gi|4539441|emb|CAB40029.1| (AL049523) putative protein [Arabidopsis thaliana]		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18469	Strand	-
Start	8410	End	8602
Name	OJ991210_13.0110.C4.o2.gp	Method	AAT/GAP
Start	8410	End	8602
GI	none	Score	312
Exons	8410..8602		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18470	Strand	-
Start	10346	End	13117
Name	OJ991210_13.0110.C4.o3.gp	Method	AAT/GAP
Start	10100	End	13117
GI	none	Score	1434
Exons	10100..10453, 10596..10753, 12719..12820, 12946..13117		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18470	Strand	-
Start	10346	End	13117
Name	OJ991210_13.0110.C4.o3.gs	Method	GENSCAN
Start	10346	End	13036
GI	none	Score	.99
Exons	10346..10453, 10596..10753, 12719..12820, 12946..13036		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18470	Strand	-
Start	10346	End	13117
Name	OJ991210_13.0110.C4.o3.np	Method	AAT/NAP
Start	10349	End	13036
GI	6671934	Score	326
Exons	10349..10453, 10596..10753, 12719..12820, 12946..13036		
GI Descrip.	(AC016795) unknown protein [Arabidopsis thaliana]		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18471	Strand	-

Start	14836	End	16645
Name	OJ991210_13.0110.C4.o4.gs	Method	GENSCAN
Start	14836	End	16645
GI	none	Score	.49
Exons	14836..15161, 15653..15764, 15804..15907, 16561..16645		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18472	Strand	-
Start	22510	End	24828
Name	OJ991210_13.0110.C4.o6.np	Method	AAT/NAP
Start	22510	End	24828
GI	3702333	Score	190
Exons	22510..22992, 24730..24828		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18473	Strand	-
Start	30969	End	31260
Name	OJ991210_13.0110.C4.o8.np	Method	AAT/NAP
Start	30969	End	31260
GI	4510378	Score	178
Exons	30969..31260		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18474	Strand	-
Start	35341	End	37176
Name	OJ991210_13.0110.C4.o9.np	Method	AAT/NAP
Start	35341	End	37176
GI	6721512	Score	95
Exons	35341..35391, 36896..37035, 37063..37176		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18475	Strand	-
Start	39896	End	40924
Name	OJ991210_13.0110.C4.o10.np	Method	AAT/NAP
Start	39881	End	40016
GI	4263819	Score	65
Exons	39881..40016		
GI Descrip.	(AC006067) putative serpin [Arabidopsis thaliana]		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18475	Strand	-
Start	39896	End	40924
Name	OJ991210_13.0110.C4.o8.gs	Method	GENSCAN
Start	39896	End	40924
GI	none	Score	.97
Exons	39896..40819, 40922..40924		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18476	Strand	-
Start	41119	End	41582
Name	OJ991210_13.0110.C4.o9.gs	Method	GENSCAN
Start	41119	End	41582
GI	none	Score	.6

Exons	41119..41288, 41522..41582		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18477	Strand	-
Start	42245	End	47399
Name	OJ991210_13.0110.C4.o5.gp	Method	AAT/GAP
Start	42245	End	43881
GI	111_8.R1084	Score	1087
Exons	42245..42733, 43772..43881		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 6.0e-60 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18477	Strand	-
Start	42245	End	47399
Name	OJ991210_13.0110.C4.o10.gs	Method	GENSCAN
Start	42611	End	47399
GI	none	Score	.85
Exons	42611..42682, 43601..43653, 43772..43917, 44154..44710, 44715..44873, 44939..45180, 47258..47399		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18478	Strand	-
Start	49253	End	54012
Name	OJ991210_13.0110.C4.o11.np	Method	AAT/NAP
Start	49253	End	54012
GI	6016874	Score	2203
Exons	49253..49300, 51109..51366, 51835..52175, 52293..52472, 52866..53025, 53416..53648, 53713..53850, 53934..54012		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18478	Strand	-
Start	49253	End	54012
Name	OJ991210_13.0110.C4.o12.gs	Method	GENSCAN
Start	51832	End	54012
GI	none	Score	.68
Exons	51832..52472, 52866..53025, 53416..54012		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18478	Strand	-
Start	49253	End	54012
Name	OJ991210_13.0110.C4.o6.gp	Method	AAT/GAP
Start	52815	End	53323
GI	uC-osflcyp110c07b1	Score	966
Exons	52815..53323		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18479	Strand	-
Start	57742	End	58247
Name	OJ991210_13.0110.C4.o8.gp	Method	AAT/GAP
Start	57742	End	58247

GI	none	Score	997
Exons	57742..58247		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o1.tm	Method	TBLASTX:Maize
Start	25	End	557
GI	none	Score	187
Exons	25..210, 26..208, 28..210, 303..539, 304..555, 304..546, 312..557		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o1.ts	Method	TBLASTX:Soybean
Start	85	End	606
GI	none	Score	135
Exons	85..207, 86..208, 303..572, 304..606, 341..598		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o3.ts	Method	TBLASTX:Soybean
Start	8028	End	8436
GI	none	Score	80
Exons	8028..8096, 8145..8231, 8256..8435, 8284..8436		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o7.tm	Method	TBLASTX:Maize
Start	10188	End	12964
GI	none	Score	41
Exons	10188..10226, 10199..10225, 10352..10453, 10353..10454, 10370..10465, 10590..10760, 10597..10755, 12712..12804, 12720..12812, 12941..12964		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o3.tw	Method	TBLASTX:Wheat
Start	10400	End	12818
GI	none	Score	117
Exons	10400..10453, 10590..10760, 10596..10745, 10597..10755, 12712..12774, 12720..12773, 12765..12818, 12766..12798		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o5.tm	Method	TBLASTX:Maize
Start	15211	End	15737
GI	none	Score	63
Exons	15211..15324, 15213..15371, 15225..15308, 15310..15414, 15333..15737, 15362..15415, 15411..15734		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4

Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o5.ts	Method	TBLASTX:Soybean
Start	20685	End	21547
GI	none	Score	73
Exons	20685..20732, 20690..20761, 20900..21004, 21259..21339, 21260..21355, 21356..21547, 21403..21486		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o2.tm	Method	TBLASTX:Maize
Start	26721	End	28150
GI	none	Score	99
Exons	26721..26849, 26792..26848, 26943..27044, 26948..27052, 27008..27055, 27096..27158, 27110..27169, 27119..27172, 27681..27857, 27695..27829, 27858..27932, 27863..27955, 27870..28115, 27933..28112, 27934..28137, 27934..28149, 27935..28150		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o1.tc	Method	TBLASTX:Cress
Start	26790	End	28176
GI	none	Score	73
Exons	26790..26849, 26794..26820, 26798..26848, 26943..27047, 26947..27042, 26954..27046, 27078..27158, 27105..27152, 27107..27166, 27669..27932, 27677..27955, 27933..28088, 27934..28086, 27934..28176, 27935..28153		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o2.tw	Method	TBLASTX:Wheat
Start	26790	End	27163
GI	none	Score	69
Exons	26790..26849, 26792..26839, 26948..27043, 26949..27044, 27096..27155, 27110..27163		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o4.ts	Method	TBLASTX:Soybean
Start	26792	End	27755
GI	none	Score	78
Exons	26792..26854, 26796..26855, 26951..27052, 26952..27083, 27102..27158, 27113..27163, 27197..27274, 27690..27755		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o1.tw	Method	TBLASTX:Wheat
Start	27666	End	27902
GI	none	Score	301
Exons	27666..27902, 27695..27901		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o2.ts	Method	TBLASTX:Soybean
Start	27756	End	28153
GI	none	Score	145
Exons	27756..27884, 27759..27875, 27770..27877, 27887..27955, 27888..27932, 27934..28146, 27935..28153, 27956..28153		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o4.tm	Method	TBLASTX:Maize
Start	51898	End	52141
GI	none	Score	97
Exons	51898..52131, 51983..52141		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o8.tm	Method	TBLASTX:Maize
Start	52253	End	52605
GI	none	Score	136
Exons	52253..52594, 52324..52605		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o6.tm	Method	TBLASTX:Maize
Start	52810	End	53124
GI	none	Score	106
Exons	52810..53037, 52811..53029, 53050..53124		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o3.tm	Method	TBLASTX:Maize
Start	53218	End	53664
GI	none	Score	110
Exons	53218..53256, 53251..53307, 53344..53592, 53384..53593, 53578..53664		

Seq. No.	8681	Seq. ID	OJ991210_13.0110.C4
Gene No.	18480	Strand	-
Start	58950	End	59866
Name	OJ991210_13.0110.C4.o14.gs	Method	GENSCAN
Start	58950	End	59866
GI	none	Score	.48
Exons	58950..59064, 59115..59228, 59279..59866		

Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18481	Strand	+
Start	1	End	558
Name	OJ991210_13.0110.C5.o1.np	Method	AAT/NAP
Start	1	End	555
GI	4678935	Score	509
Exons	1..30, 64..555		

GI Descrip. (AL049711) putative protein [Arabidopsis thaliana]

Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18481	Strand	+
Start	1	End	558
Name	OJ991210_13.0110.C5.o1.gs	Method	GENSCAN
Start	112	End	558
GI	none	Score	.64
Exons	112..558		

Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18482	Strand	+
Start	5287	End	10047
Name	OJ991210_13.0110.C5.o3.gs	Method	GENSCAN
Start	5287	End	10047
GI	none	Score	.79
Exons	5287..5310, 5489..5603, 5642..5834, 5984..6111, 9005..9058, 9469..9632, 9982..10047		

Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18483	Strand	-
Start	1385	End	4873
Name	OJ991210_13.0110.C5.o2.gs	Method	GENSCAN
Start	1385	End	4873
GI	none	Score	.76
Exons	1385..1447, 3604..3688, 4665..4873		

Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18484	Strand	-
Start	8860	End	10958
Name	OJ991210_13.0110.C5.o1.tc	Method	TBLASTX:Cress
Start	79	End	327
GI	none	Score	237
Exons	79..327, 84..275		

Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18484	Strand	-
Start	8860	End	10958
Name	OJ991210_13.0110.C5.o1.ts	Method	TBLASTX:Soybean
Start	106	End	453
GI	none	Score	393
Exons	106..453, 132..398		

Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18484	Strand	-
Start	8860	End	10958
Name	OJ991210_13.0110.C5.o1.tm	Method	TBLASTX:Maize
Start	121	End	584
GI	none	Score	190
Exons	121..273, 123..272, 277..453, 285..407, 457..561, 462..584		

Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18484	Strand	-
Start	8860	End	10958
Name	OJ991210_13.0110.C5.o2.tc	Method	TBLASTX:Cress
Start	327	End	558
GI	none	Score	139

Exons	327..407, 331..453, 457..558, 474..557		
Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18484	Strand	-
Start	8860	End	10958
Name	OJ991210_13.0110.C5.o2.np	Method	AAT/NAP
Start	8860	End	10958
GI	4584355	Score	212
Exons	8860..9106, 10925..10958		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		
Seq. No.	8682	Seq. ID	OJ991210_13.0110.C5
Gene No.	18484	Strand	-
Start	8860	End	10958
Name	OJ991210_13.0110.C5.o1.gp	Method	AAT/GAP
Start	9674	End	9762
GI	uC-osf1M202097d10b1	Score	101
Exons	9674..9762		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		
Seq. No.	8683	Seq. ID	OJ991210_13.0110.C6
Gene No.	18485	Strand	-
Start	50	End	138
Name	OJ991210_13.0110.C6.o1.gp	Method	AAT/GAP
Start	50	End	138
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	50..138		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	8684	Seq. ID	OJ991210_13.0110.C7
Gene No.	18486	Strand	+
Start	9	End	294
Name	OJ991210_13.0110.C7.o1.gs	Method	GENSCAN
Start	9	End	294
GI	none	Score	.46
Exons	9..169, 243..294		
Seq. No.	8685	Seq. ID	OJ991210_12.0112.C1
Gene No.	18487	Strand	-
Start	1	End	447
Name	OJ991210_12.0112.C1.o1.np	Method	AAT/NAP
Start	1	End	447
GI	6714302	Score	150
Exons	1..153, 378..447		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		
Seq. No.	8685	Seq. ID	OJ991210_12.0112.C1
Gene No.	18487	Strand	-
Start	1	End	447
Name	OJ991210_12.0112.C1.o1.gs	Method	GENSCAN
Start	13	End	422
GI	none	Score	.44
Exons	13..153, 378..422		

Seq. No.	8686	Seq. ID	OJ991210_12.0112.C3
Gene No.	18488	Strand	+
Start	181	End	246
Name	OJ991210_12.0112.C3.o1.gs	Method	GENSCAN
Start	181	End	246
GI	none	Score	.69
Exons	181..246		

Seq. No.	8686	Seq. ID	OJ991210_12.0112.C3
Gene No.	18489	Strand	-
Start	592	End	890
Name	OJ991210_12.0112.C3.o1.gp	Method	AAT/GAP
Start	592	End	890
GI	none	Score	530
Exons	592..890		

Seq. No.	8687	Seq. ID	OJ991210_12.0112.C4
Gene No.	18490	Strand	-
Start	158	End	1573
Name	OJ991210_12.0112.C4.o1.gp	Method	AAT/GAP
Start	158	End	542
GI	4879981	Score	200
Exons	158..213, 434..542		

Seq. No.	8687	Seq. ID	OJ991210_12.0112.C4
Gene No.	18490	Strand	-
Start	158	End	1573
Name	OJ991210_12.0112.C4.o1.tc	Method	TBLASTX:Cress
Start	392	End	868
GI	none	Score	140
Exons	392..571, 422..571, 429..578, 827..868	430..591, 692..745, 699..758,	

Seq. No.	8687	Seq. ID	OJ991210_12.0112.C4
Gene No.	18490	Strand	-
Start	158	End	1573
Name	OJ991210_12.0112.C4.o1.ts	Method	TBLASTX:Soybean
Start	430	End	724
GI	none	Score	101
Exons	430..570, 433..591, 434..592,	692..724	

Seq. No.	8687	Seq. ID	OJ991210_12.0112.C4
Gene No.	18490	Strand	-
Start	158	End	1573
Name	OJ991210_12.0112.C4.o1.tm	Method	TBLASTX:Maize
Start	472	End	1573
GI	none	Score	137
Exons	472..570, 476..571, 489..575, 692..745, 696..758, 827..931, 846..932, 985..1059, 1002..1061, 1025..1063, 1137..1226, 1149..1244, 1150..1236, 1300..1344, 1304..1345, 1312..1347, 1484..1573, 1485..1562, 1490..1570		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18491	Strand	+
Start	2022	End	2396
Name	OJ991210_12.0112.C5.o1.gp	Method	AAT/GAP
Start	2022	End	2396

GI	none	Score	722
Exons	2022..2396		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18492	Strand	-
Start	383	End	1357
Name	OJ991210_12.0112.C5.o1.gs	Method	GENSCAN
Start	383	End	1357
GI	none	Score	.59
Exons	383..521, 1075..1262, 1297..1357		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18493	Strand	-
Start	1848	End	11598
Name	OJ991210_12.0112.C5.o2.gs	Method	GENSCAN
Start	1848	End	9412
GI	none	Score	.46
Exons	1848..1946, 2197..2409, 3002..3127, 3367..3499, 3594..3829, 3918..4436, 8951..9412		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18493	Strand	-
Start	1848	End	11598
Name	OJ991210_12.0112.C5.o1.np	Method	AAT/NAP
Start	2158	End	11588
GI	3080433	Score	1281
Exons	2158..2409, 2990..3127, 3229..3499, 3594..3829, 3918..4436, 8936..9193, 11505..11588		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18493	Strand	-
Start	1848	End	11598
Name	OJ991210_12.0112.C5.o3.gp	Method	AAT/GAP
Start	10861	End	11112
GI	4715034	Score	409
Exons	10861..11112		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18493	Strand	-
Start	1848	End	11598
Name	OJ991210_12.0112.C5.o3.gs	Method	GENSCAN
Start	11188	End	11598
GI	none	Score	.55
Exons	11188..11598		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o1.tc	Method	TBLASTX:Cress
Start	2161	End	13393
GI	none	Score	166
Exons	2161..2244, 2257..2421, 2990..3133, 3221..3502, 3229..3498, 3587..3778, 3612..3779, 3916..4050, 3954..4286, 4290..4439, 4291..4434, 8954..9040, 9012..9050, 9023..9196, 9039..9173, 11980..12123, 12200..12277, 12202..12276, 12262..12465,		

12263..12469, 12561..12737, 12616..12738, 12785..13240,
12825..13154, 13244..13393, 13245..13388

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o4.tm	Method	TBLASTX:Maize
Start	2251	End	12121
GI	none	Score	151
Exons	2251..2421, 2254..2421, 2985..3083, 2990..3130, 2990..3130, 11386..11544, 11388..11546, 11975..12121, 11980..12120		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o4.ts	Method	TBLASTX:Soybean
Start	3229	End	12411
GI	none	Score	62
Exons	3229..3285, 3328..3444, 3341..3442, 12200..12409, 12202..12411		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o1.ts	Method	TBLASTX:Soybean
Start	3445	End	13171
GI	none	Score	52
Exons	3445..3501, 3446..3508, 3587..3829, 3612..3785, 3916..4053, 3954..4217, 12412..12468, 12413..12469, 12561..12794, 12571..12744, 12869..13171, 12870..13151		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o1.tm	Method	TBLASTX:Maize
Start	3650	End	13066
GI	none	Score	192
Exons	3650..3829, 3651..3830, 3724..3831, 3922..4053, 3954..4079, 4083..4112, 12609..12788, 12610..12786, 12869..13033, 12876..13034, 13037..13066, 13037..13066		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o3.tm	Method	TBLASTX:Maize
Start	4119	End	13334
GI	none	Score	117
Exons	4119..4280, 4120..4317, 4290..4397, 4291..4380, 13073..13234, 13074..13151, 13076..13180, 13244..13333, 13245..13334		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o4.gs	Method	GENSCAN
Start	11957	End	22232
GI	none	Score	.84
Exons	11957..12436, 12594..12788, 12872..13390, 15035..15541, 15865..15900, 16179..16227, 17125..17303, 17708..17908,		

18479..18508, 19313..19436, 19511..19660, 19815..19918,
20017..20049, 20673..20746, 20973..21033, 21241..21315,
21407..21517, 21939..22232

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o4.gp	Method	AAT/GAP
Start	15239	End	15576
GI	4715033	Score	664
Exons	15239..15576		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o5.gp	Method	AAT/GAP
Start	18452	End	19645
GI	13573_1.R1084	Score	1497
Exons	18452..18853, 19019..19161, 19313..19436, 19511..19645		
GI Descrip.	'2231046/emb|CAA73179| 1.0e-15 (Y12618) PPF-1 protein [Pisum sativum]'		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o2.np	Method	AAT/NAP
Start	19066	End	22164
GI	2209332	Score	1146
Exons	19066..19157, 19309..19436, 19511..19660, 19815..19918, 20017..20124, 20491..20595, 20673..20746, 20973..21033, 21241..21315, 21407..21517, 21939..22012, 22046..22164		
GI Descrip.	(U89272) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana] gi|3927828|gb|AAC79585.1| (AC005727) chloroplast membrane protein (ALBINO3) [Arabidopsis thaliana]		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o2.tc	Method	TBLASTX:Cress
Start	19391	End	22004
GI	none	Score	132
Exons	19391..19438, 19508..19660, 19510..19656, 19513..19662, 19814..19921, 19815..19919, 19857..19925, 19862..19927, 19963..20124, 20021..20125, 20489..20596, 20489..20596, 20491..20598, 20491..20607, 20574..20627, 20617..20748, 20628..20753, 20673..20756, 20966..21037, 20971..21033, 21239..21316, 21241..21318, 21241..21315, 21392..21535, 21405..21512, 21936..22004		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o2.ts	Method	TBLASTX:Soybean
Start	19391	End	20143
GI	none	Score	135
Exons	19391..19438, 19508..19660, 19509..19661, 19509..19649, 19510..19662, 19510..19659, 19805..19912, 19815..19913,		

20017..20133, 20017..20133, 20021..20143

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o2.tm	Method	TBLASTX:Maize
Start	19412	End	21454
GI	none	Score	188
Exons	19412..19438, 19525..19659, 19526..19660, 19529..19660, 19530..19661, 19805..19921, 19815..19919, 19861..19920, 20017..20124, 20021..20125, 20021..20125, 20022..20126, 20489..20596, 20489..20596, 20490..20597, 20491..20598, 20491..20607, 20628..20753, 20629..20754, 20672..20788, 20966..21034, 20971..21033, 20972..21034, 20973..21050, 21240..21311, 21241..21315, 21248..21316, 21392..21454, 21405..21452		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o6.gp	Method	AAT/GAP
Start	20064	End	22027
GI	uC-osroM202021b01b1	Score	978
Exons	20064..20124, 20491..20595, 20673..20746, 20973..21033, 21241..21315, 21407..21517, 21939..22027		
GI Descrip.	'2209332 6.0e-76 (U89272) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana] >gi_3927828 (AC005727) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana]'		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o3.ts	Method	TBLASTX:Soybean
Start	21244	End	22004
GI	none	Score	79
Exons	21244..21315, 21248..21316, 21392..21535, 21405..21518, 21437..21535, 21936..22004		

Seq. No.	8688	Seq. ID	OJ991210_12.0112.C5
Gene No.	18494	Strand	-
Start	11957	End	22325
Name	OJ991210_12.0112.C5.o7.gp	Method	AAT/GAP
Start	22088	End	22325
GI	none	Score	440
Exons	22088..22325		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18495	Strand	+
Start	500	End	1622
Name	OJ991210_12.0112.C6.o1.gs	Method	GENSCAN
Start	500	End	1622
GI	none	Score	.54
Exons	500..562, 1213..1286, 1499..1622		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18496	Strand	+
Start	3872	End	4080

Name	OJ991210_12.0112.C6.o1.gp	Method	AAT/GAP
Start	3872	End	4080
GI	none	Score	370
Exons	3872..4080		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18497	Strand	+
Start	4965	End	5044
Name	OJ991210_12.0112.C6.o2.gp	Method	AAT/GAP
Start	4965	End	5044
GI	38012_1.R1084	Score	99
Exons	4965..5044		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18498	Strand	-
Start	2218	End	4549
Name	OJ991210_12.0112.C6.o1.ts	Method	TBLASTX:Soybean
Start	2218	End	3534
GI	none	Score	393
Exons	2218..2253, 2254..2823, 2255..2815, 2839..2877, 2860..3342, 2914..3324, 2942..3334, 3337..3453, 3338..3451, 3493..3534		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18498	Strand	-
Start	2218	End	4549
Name	OJ991210_12.0112.C6.o2.gs	Method	GENSCAN
Start	2218	End	4549
GI	none	Score	.58
Exons	2218..3814, 3911..4134, 4454..4549		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18498	Strand	-
Start	2218	End	4549
Name	OJ991210_12.0112.C6.o1.np	Method	AAT/NAP
Start	2221	End	3825
GI	3236240	Score	1568
Exons	2221..3483, 3514..3674, 3750..3825		
GI Descrip.	(AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18498	Strand	-
Start	2218	End	4549
Name	OJ991210_12.0112.C6.o2.tm	Method	TBLASTX:Maize
Start	2251	End	2562
GI	none	Score	273
Exons	2251..2562, 2252..2560		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18498	Strand	-
Start	2218	End	4549
Name	OJ991210_12.0112.C6.o2.tc	Method	TBLASTX:Cress
Start	2254	End	2646
GI	none	Score	53
Exons	2254..2298, 2255..2299, 2279..2641, 2290..2646, 2291..2635		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18498	Strand	-
Start	2218	End	4549
Name	OJ991210_12.0112.C6.o1.tm	Method	TBLASTX:Maize
Start	2565	End	3590
GI	none	Score	66
Exons	2565..2621, 2566..2880, 2567..2866, 2568..2906, 2661..2885, 2889..3485, 2891..3487, 2893..3522, 2942..3451, 3457..3576, 3460..3576, 3476..3589, 3477..3590		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18498	Strand	-
Start	2218	End	4549
Name	OJ991210_12.0112.C6.o1.tw	Method	TBLASTX:Wheat
Start	2839	End	3244
GI	none	Score	99
Exons	2839..2868, 2892..3236, 2895..2912, 2904..3020, 2911..3240, 2911..3240, 2948..3244		

Seq. No.	8689	Seq. ID	OJ991210_12.0112.C6
Gene No.	18498	Strand	-
Start	2218	End	4549
Name	OJ991210_12.0112.C6.o1.tc	Method	TBLASTX:Cress
Start	2945	End	3558
GI	none	Score	52
Exons	2945..2998, 2950..3000, 2992..3078, 3002..3052, 3055..3339, 3056..3340, 3325..3456, 3326..3451, 3514..3558		

Seq. No.	8690	Seq. ID	OJ991210_12.0112.C7
Gene No.	18499	Strand	-
Start	5556	End	6222
Name	OJ991210_12.0112.C7.o1.tm	Method	TBLASTX:Maize
Start	3765	End	4237
GI	none	Score	96
Exons	3765..3818, 3826..4071, 3908..4069, 4099..4236, 4127..4237		

Seq. No.	8690	Seq. ID	OJ991210_12.0112.C7
Gene No.	18499	Strand	-
Start	5556	End	6222
Name	OJ991210_12.0112.C7.o2.tm	Method	TBLASTX:Maize
Start	4898	End	5161
GI	none	Score	77
Exons	4898..4999, 4997..5161, 5016..5144		

Seq. No.	8690	Seq. ID	OJ991210_12.0112.C7
Gene No.	18499	Strand	-
Start	5556	End	6222
Name	OJ991210_12.0112.C7.o2.gs	Method	GENSCAN
Start	5556	End	6222
GI	none	Score	.49
Exons	5556..5666, 5789..5888, 5981..6222		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18500	Strand	+
Start	2375	End	13387
Name	OJ991210_12.0112.C8.o1.gs	Method	GENSCAN
Start	2375	End	6556

GI	none	Score	.52
Exons	2375..3635, 5350..5396, 5747..6556		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18500	Strand	+
Start	2375	End	13387
Name	OJ991210_12.0112.C8.o1.gp	Method	AAT/GAP
Start	6015	End	13387
GI	705_7.R1084	Score	1457
Exons	6015..6390, 13003..13387		
GI Descrip.	'1362183/pir||S56684 1.0e-39 histone H2B-6 - wheat >gi_531056_dbj_BAA07156_ (D37942) protein H2B-6 [Triticum aestivum]'		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18500	Strand	+
Start	2375	End	13387
Name	OJ991210_12.0112.C8.o1.np	Method	AAT/NAP
Start	6095	End	6553
GI	3913804	Score	679
Exons	6095..6553		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18500	Strand	+
Start	2375	End	13387
Name	OJ991210_12.0112.C8.o3.gs	Method	GENSCAN
Start	12708	End	13169
GI	none	Score	.98
Exons	12708..13169		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18501	Strand	+
Start	21671	End	25389
Name	OJ991210_12.0112.C8.o3.gp	Method	AAT/GAP
Start	21671	End	25389
GI	17718_1.R1084	Score	1041
Exons	21671..21947, 22326..22532, 25251..25389		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 8.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18501	Strand	+
Start	21671	End	25389
Name	OJ991210_12.0112.C8.o5.gs	Method	GENSCAN
Start	22327	End	25140
GI	none	Score	.46
Exons	22327..23100, 23192..23353, 23437..23532, 23619..24087, 24542..25140		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18502	Strand	-
Start	7939	End	20905
Name	OJ991210_12.0112.C8.o2.np	Method	AAT/NAP
Start	7939	End	20905
GI	2586083	Score	1860

Exons	7939..8318, 8470..9426, 9499..10541, 20286..20905		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		
Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18502	Strand	-
Start	7939	End	20905
Name	OJ991210_12.0112.C8.o4.gs	Method	GENSCAN
Start	14135	End	20890
GI	none	Score	.73
Exons	14135..14214, 15332..15566, 16205..16328, 16347..16416, 16520..16880, 17622..17992, 18139..20890		
Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o2.tw	Method	TBLASTX:Wheat
Start	5982	End	13318
GI	none	Score	58
Exons	5982..6047, 6277..6549, 6281..6385, 6281..6550, 6296..6385, 6506..6550, 12893..13162, 12893..13033, 12894..12998, 12894..13163, 13262..13318		
Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o1.tc	Method	TBLASTX:Cress
Start	6277	End	13169
GI	none	Score	432
Exons	6277..6546, 6281..6577, 12893..13165, 12894..13169		
Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o1.ts	Method	TBLASTX:Soybean
Start	6277	End	13175
GI	none	Score	424
Exons	6277..6546, 6281..6556, 12893..13165, 12894..13175		
Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o2.tm	Method	TBLASTX:Maize
Start	6277	End	13172
GI	none	Score	456
Exons	6277..6546, 6281..6565, 12893..13159, 12894..13172		
Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o4.tm	Method	TBLASTX:Maize
Start	7954	End	17994
GI	none	Score	119
Exons	7954..8319, 8123..8320, 14829..14951, 15100..15192, 15102..15191, 17634..17753, 17811..17993, 17821..17994		
Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-

Start	21149	End	21243
Name	OJ991210_12.0112.C8.o2.ts	Method	TBLASTX:Soybean
Start	8197	End	20683
GI	none	Score	66
Exons	8197..8319, 8540..8719, 8541..8717, 8741..8812, 8831..8923, 8915..9025, 9273..9572, 9281..10114, 9282..9380, 9329..9742, 9338..9583, 9344..9742, 9344..9745, 9344..9856, 9486..9869, 9749..10192, 9749..10021, 9752..10192, 9752..10090, 9770..10120, 9770..10114, 9777..9872, 9780..9869, 9869..10000, 9897..10001, 10112..10243, 10247..10435, 10247..10432, 10250..10357, 10253..10681, 10262..10381, 10269..10400, 10305..10391, 10378..10434, 10437..10694, 10442..10903, 10442..10684, 10451..10819, 10451..10687, 10668..10709, 10730..10897, 10731..10781, 10733..11017, 10733..10996, 10733..10906, 15090..15191, 15331..15354, 15402..15566, 15606..15674, 15690..15782, 16208..16285, 16214..16408, 16214..16414, 16217..16408, 16220..16399, 16274..16414, 16302..16412, 16384..16485, 16506..16718, 16506..16688, 16512..16790, 16521..16796, 16521..16775, 17871..17993, 18138..18155, 18140..18187, 18218..18388, 18234..18374, 18416..18484, 18500..18568, 18593..18694, 18953..19786, 19016..19528, 19016..19414, 19016..19414, 19017..19415, 19424..19864, 19424..19786, 19424..19846, 19442..19786, 19452..19679, 19541..19672, 19637..19789, 19919..20095, 19919..20104, 19925..20356, 19931..20053, 19994..20095, 20108..20356, 20108..20320, 20108..20293, 20109..20354, 20111..20350, 20111..20350, 20114..20350, 20123..20350, 20184..20366, 20195..20350, 20408..20677, 20408..20512, 20414..20683, 20414..20677, 20414..20683, 20414..20680, 20609..20668		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o2.tc	Method	TBLASTX:Cress
Start	8221	End	20725
GI	none	Score	45
Exons	8221..8319, 8549..8767, 9281..9454, 9293..9742, 9296..9742, 9338..9526, 9338..9742, 9338..9745, 9338..9742, 9341..9742, 9341..9670, 9342..9440, 9344..9742, 9344..9682, 9347..9742, 9392..9745, 9417..9659, 9489..9644, 9491..9565, 9560..9745, 9608..9748, 9617..9688, 9629..9745, 9635..9742, 9743..10117, 9746..10138, 9746..9961, 9749..10105, 9752..10120, 9752..10033, 9752..10036, 9752..10114, 9752..10120, 9770..10138, 9770..10114, 9771..10079, 9771..9875, 9774..9863, 9774..10007, 9782..10105, 9906..10079, 9974..10117, 9977..10093, 10088..10243, 10244..10408, 10247..10432, 10248..10340, 10253..10408, 10436..10633, 10436..10684, 10439..10681, 10442..10681, 10442..10678, 10452..10715, 10648..10710, 10730..11008, 10730..10795, 10730..10996, 10733..11005, 10733..10996, 10733..10996, 10742..10996, 10805..10903, 15063..15191, 15390..15566, 16208..16414, 16214..16420, 16214..16396, 16214..16414, 16214..16426, 16232..16414, 16411..16473, 16506..16823, 16506..16787, 16509..16574, 16512..16787, 16512..16775, 16536..16775, 16584..16775, 16602..16784, 16665..16790, 16803..16835, 17895..17993, 18218..18391, 18224..18328, 18953..19084, 18965..19414, 18968..19414, 19010..19417, 19016..19414, 19016..19414, 19016..19354,		

19016..19414, 19016..19414, 19019..19414, 19083..19316,
19160..19417, 19244..19420, 19395..19703, 19412..19645,
19415..19810, 19415..19633, 19424..19789, 19424..19777,
19424..19786, 19424..19786, 19442..19810, 19442..19786,
19452..19679, 19454..19789, 19578..19760, 19592..19786,
19649..19786, 19808..19921, 19910..20095, 19916..20080,
19919..20098, 19919..20080, 20108..20233, 20111..20350,
20114..20359, 20114..20350, 20114..20356, 20123..20356,
20186..20359, 20196..20366, 20331..20366, 20355..20588,
20408..20668, 20408..20596, 20414..20671, 20414..20683,
20414..20677, 20414..20677, 20414..20683, 20477..20668,
20537..20656, 20699..20725

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o1.tm	Method	TBLASTX:Maize
Start	8477	End	18595
GI	none	Score	263

Exons 8477..8917, 8477..8926, 8481..8924, 15343..15558, 15378..15569,
15491..15589, 15609..15782, 15612..15767, 15619..15783,
18137..18565, 18165..18479, 18169..18537, 18185..18595,
18219..18593

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o3.tc	Method	TBLASTX:Cress
Start	8768	End	18730
GI	none	Score	122

Exons 8768..9073, 8772..9014, 15606..15821, 15625..15837,
18422..18730, 18435..18701

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o3.tm	Method	TBLASTX:Maize
Start	9338	End	20683
GI	none	Score	79

Exons 9338..9745, 9338..9742, 9338..9526, 9339..9512, 9344..9742,
9362..9742, 9509..9745, 9746..10138, 9746..9961, 9749..10105,
9752..10138, 9752..10120, 9752..10036, 9761..10120, 9774..10007,
9800..10090, 9869..10105, 10244..10399, 10247..10408,
10247..10408, 10293..10400, 10436..10633, 10439..10684,
10442..10681, 10442..10681, 10494..10682, 10643..10684,
10668..10697, 10719..10832, 10730..11008, 10733..10996,
16208..16399, 16214..16414, 16497..16703, 16506..16787,
16509..16784, 16515..16754, 16614..16772, 19010..19414,
19010..19417, 19016..19414, 19034..19414, 19415..19810,
19415..19633, 19424..19705, 19433..19540, 19434..19679,
19442..19486, 19446..19679, 19451..19777, 19452..19679,
19472..19792, 19662..19751, 19919..20098, 19919..20026,
19919..20080, 20111..20350, 20112..20309, 20114..20350,
20114..20356, 20114..20356, 20120..20350, 20181..20354,
20403..20462, 20408..20671, 20414..20683, 20414..20524,
20477..20521, 20507..20647

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o1.tw	Method	TBLASTX:Wheat
Start	9341	End	20683
GI	none	Score	69
Exons	9341..9463, 9362..9607, 9381..9572, 9530..9847, 9770..9976, 9824..10042, 9869..10294, 9870..10268, 10045..10296, 10253..10426, 10439..10642, 10470..10799, 10472..10822, 10541..10687, 10805..10894, 16218..16388, 19106..19375, 19202..19519, 19250..19408, 19289..19375, 19541..19966, 19542..19952, 19712..19966, 19994..20083, 20069..20314, 20477..20683		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o3.tw	Method	TBLASTX:Wheat
Start	16411	End	20477
GI	none	Score	52
Exons	16411..16485, 16427..16474, 16491..16706, 16510..16617, 20318..20476, 20319..20477		

Seq. No.	8691	Seq. ID	OJ991210_12.0112.C8
Gene No.	18503	Strand	-
Start	21149	End	21243
Name	OJ991210_12.0112.C8.o2.gp	Method	AAT/GAP
Start	21149	End	21243
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	21149..21243		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18504	Strand	+
Start	84	End	176
Name	OJ991210_12.0112.C9.o1.gs	Method	GENSCAN
Start	84	End	176
GI	none	Score	.6
Exons	84..176		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18505	Strand	+
Start	4464	End	5027
Name	OJ991210_12.0112.C9.o1.gp	Method	AAT/GAP
Start	4464	End	5027
GI	705_1.R1084	Score	894
Exons	4464..5027		
GI Descrip.	'1362184/pir||S56685 2.0e-37 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18505	Strand	+
Start	4464	End	5027
Name	OJ991210_12.0112.C9.o1.np	Method	AAT/NAP

Start	4497	End	4955
GI	3913804	Score	676
Exons	4497..4955		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18506	Strand	+
Start	8639	End	10018
Name	OJ991210_12.0112.C9.o3.gs	Method	GENSCAN
Start	8639	End	10018
GI	none	Score	.82
Exons	8639..10018		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18507	Strand	+
Start	20349	End	20741
Name	OJ991210_12.0112.C9.o6.gs	Method	GENSCAN
Start	20349	End	20741
GI	none	Score	.69
Exons	20349..20741		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18508	Strand	+
Start	20937	End	22288
Name	OJ991210_12.0112.C9.o5.np	Method	AAT/NAP
Start	20937	End	22288
GI	3025870	Score	343
Exons	20937..21229, 22248..22288		
GI Descrip.	(AF055706) ribosomal protein S4 [Oryza sativa]		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18509	Strand	-
Start	9834	End	13829
Name	OJ991210_12.0112.C9.o2.np	Method	AAT/NAP
Start	9834	End	13829
GI	6522590	Score	1799
Exons	9834..9856, 10633..10980, 11081..12090, 12166..13829		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18510	Strand	-
Start	15320	End	15380
Name	OJ991210_12.0112.C9.o2.gp	Method	AAT/GAP
Start	15320	End	15380
GI	2312838	Score	67
Exons	15320..15380		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18511	Strand	-
Start	17742	End	20811
Name	OJ991210_12.0112.C9.o3.np	Method	AAT/NAP
Start	17186	End	20811
GI	6522540	Score	175
Exons	17186..17641, 20715..20811		

GI Descrip. (AL132955) receptor-kinase like protein [Arabidopsis thaliana]

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18511	Strand	-
Start	17742	End	20811
Name	OJ991210_12.0112.C9.o5.gs	Method	GENSCAN
Start	17742	End	19553
GI	none	Score	.93
Exons	17742..19282, 19490..19553		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18511	Strand	-
Start	17742	End	20811
Name	OJ991210_12.0112.C9.o4.np	Method	AAT/NAP
Start	17809	End	19157
GI	6730729	Score	530
Exons	17809..19157		

GI Descrip. (AC018849) unknown protein [Arabidopsis thaliana]

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o2.tc	Method	TBLASTX:Cress
Start	3518	End	17441
GI	none	Score	75

Exons 3518..3598, 10883..10981, 11112..11378, 11583..11672,
11898..12026, 11910..12305, 11913..12314, 11955..12314,
11955..12143, 11958..12317, 11958..12314, 11958..12287,
11961..12287, 11961..12224, 11961..12317, 11961..12317,
11962..12117, 11964..12314, 12012..12317, 12177..12245,
12250..12381, 12363..12722, 12363..12551, 12366..12755,
12369..12731, 12369..12728, 12369..12653, 12378..12731,
12387..12758, 12387..12734, 12387..12722, 12388..12561,
12388..12675, 12396..12542, 12397..12711, 12397..12711,
12397..12498, 12399..12737, 12466..12708, 12478..12708,
12502..12624, 12514..12711, 12537..12731, 12544..12702,
12741..12830, 12922..13017, 13053..13214, 13053..13199,
13053..13178, 13059..13196, 13059..13187, 13071..13178,
13071..13202, 13200..13334, 13200..13334, 13200..13343,
13216..13335, 13326..13619, 13345..13446, 13347..13625,
13347..13544, 13347..13616, 13347..13472, 13350..13628,
13353..13625, 13353..13616, 13353..13616, 13362..13646,
13425..13616, 13431..13625, 13487..13537, 13488..13601,
13641..13676, 17307..17441

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o2.ts	Method	TBLASTX:Soybean
Start	3521	End	17628
GI	none	Score	83

Exons 3521..3598, 5714..5818, 5900..6031, 10598..10744, 10799..10981,
10884..10982, 11082..11147, 11115..11336, 11176..11325,
11367..11564, 11371..11565, 11592..11672, 17292..17414,
17307..17435, 17464..17628

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9

Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o6.tm	Method	TBLASTX:Maize
Start	3521	End	10982
GI	none	Score	79
Exons	3521..3598, 5726..5848, 5865..6029, 5891..6031, 10643..10774, 10644..10739, 10773..10982, 10799..10981		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o1.tc	Method	TBLASTX:Cress
Start	4682	End	4979
GI	none	Score	441
Exons	4682..4948, 4683..4979		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o1.tw	Method	TBLASTX:Wheat
Start	4682	End	4952
GI	none	Score	159
Exons	4682..4951, 4682..4822, 4683..4787, 4683..4952, 4908..4952		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o1.ts	Method	TBLASTX:Soybean
Start	4682	End	4961
GI	none	Score	428
Exons	4682..4948, 4683..4961		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o3.tm	Method	TBLASTX:Maize
Start	4682	End	4964
GI	none	Score	448
Exons	4682..4963, 4683..4964		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o2.tm	Method	TBLASTX:Maize
Start	11088	End	17629
GI	none	Score	448
Exons	11088..11537, 11089..11535, 11162..11536, 17234..17278, 17235..17270, 17307..17429, 17313..17426, 17314..17433, 17509..17628, 17513..17629		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o5.tc	Method	TBLASTX:Cress
Start	11379	End	17628
GI	none	Score	103
Exons	11379..11576, 11383..11571, 17509..17628		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o3.ts	Method	TBLASTX:Soybean
Start	11913	End	13649
GI	none	Score	72
Exons	11913..12308, 11913..12032, 11950..12189, 11955..12317, 11955..12314, 11955..12080, 11961..12305, 12019..12162, 12363..12722, 12366..12743, 12369..12737, 12369..12728, 12378..12731, 12391..12711, 12391..12624, 12397..12717, 12471..12731, 12532..12708, 12537..12731, 13053..13178, 13053..13214, 13062..13202, 13065..13220, 13071..13187, 13200..13334, 13200..13334, 13200..13343, 13204..13311, 13308..13562, 13326..13619, 13347..13625, 13353..13616, 13359..13649		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o5.tm	Method	TBLASTX:Maize
Start	11955	End	13628
GI	none	Score	76
Exons	11955..12317, 11955..12314, 11955..12143, 11956..12129, 11958..12314, 11961..12287, 11982..12314, 12051..12305, 12250..12345, 12363..12722, 12366..12755, 12369..12653, 12387..12734, 12387..12728, 12387..12722, 12391..12624, 12391..12624, 12414..12710, 12427..12507, 12486..12737, 13059..13196, 13200..13334, 13326..13604, 13338..13544, 13347..13625, 13350..13628, 13353..13616, 13425..13469, 13455..13601		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o2.tw	Method	TBLASTX:Wheat
Start	12003	End	13559
GI	none	Score	73
Exons	12003..12224, 12034..12189, 12177..12248, 12234..12314, 12240..12314, 12369..12539, 12387..12551, 12438..12659, 12486..12911, 12526..12900, 12660..12911, 13089..13214, 13263..13340, 13308..13559, 13377..13412		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o3.tc	Method	TBLASTX:Cress
Start	17922	End	18533
GI	none	Score	328
Exons	17922..18122, 17961..18533, 18147..18452		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o7.tm	Method	TBLASTX:Maize
Start	17955	End	18599
GI	none	Score	148

Exons	17955..18116, 18147..18452, 18150..18350, 18159..18560, 18198..18269, 18264..18599		
Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o5.ts	Method	TBLASTX:Soybean
Start	18150	End	18791
GI	none	Score	72
Exons	18150..18560, 18150..18467, 18183..18644, 18606..18791		
Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o4.tm	Method	TBLASTX:Maize
Start	18783	End	19196
GI	none	Score	255
Exons	18783..19061, 18784..18990, 18902..19060, 19125..19196		
Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o7.gs	Method	GENSCAN
Start	21722	End	24445
GI	none	Score	.94
Exons	21722..21892, 22460..22538, 22623..22776, 22872..22951, 23072..23303, 24328..24445		
Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o6.np	Method	AAT/NAP
Start	21725	End	24445
GI	3236237	Score	893
Exons	21725..21892, 22026..22072, 22209..22293, 22460..22538, 22623..22776, 22872..22951, 23072..23303, 24328..24445		
GI Descrip.	(AC004684) putative oxidoreductase [Arabidopsis thaliana]		
Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o1.tm	Method	TBLASTX:Maize
Start	21735	End	24521
GI	none	Score	208
Exons	21735..21893, 21735..21893, 21761..21895, 22024..22071, 22025..22072, 22026..22085, 22208..22294, 22209..22295, 22210..22296, 22210..22326, 22455..22541, 22459..22536, 22460..22537, 22611..22778, 22619..22783, 22619..22777, 22620..22784, 22870..22950, 22871..22954, 23068..23307, 23069..23308, 23072..23308, 23104..23310, 24254..24445, 24287..24481, 24327..24521		
Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o3.tw	Method	TBLASTX:Wheat
Start	21785	End	22724

GI	none	Score	73
Exons	21785..21895, 21787..21879, 21792..21893, 22026..22085, 22192..22326, 22209..22295, 22210..22296, 22443..22541, 22460..22537, 22611..22724, 22619..22723		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o3.gp	Method	AAT/GAP
Start	22209	End	22896
GI	4879983	Score	576
Exons	22209..22293, 22460..22538, 22623..22776, 22872..22896		
GI Descrip.	629592/pir||S42651 5.0e-25 hypothetical protein - rape >gi_6065752_emb_CAB58175.1_ (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o4.ts	Method	TBLASTX:Soybean
Start	22210	End	24445
GI	none	Score	87
Exons	22210..22296, 22211..22297, 22460..22537, 22473..22529, 22619..22777, 22626..22778, 22870..22950, 22871..22954, 23069..23308, 23104..23310, 24215..24445, 24327..24443		

Seq. No.	8692	Seq. ID	OJ991210_12.0112.C9
Gene No.	18512	Strand	-
Start	21722	End	24521
Name	OJ991210_12.0112.C9.o4.tc	Method	TBLASTX:Cress
Start	22460	End	23348
GI	none	Score	62
Exons	22460..22537, 22473..22538, 22611..22778, 22619..22777, 22870..22950, 22871..22954, 23068..23307, 23069..23308, 23104..23310, 23214..23348		

Seq. No.	8693	Seq. ID	OJ991210_12.0112.C11
Gene No.	18513	Strand	+
Start	1	End	548
Name	OJ991210_12.0112.C11.o1.np	Method	AAT/NAP
Start	1	End	548
GI	3080433	Score	321
Exons	1..180, 270..548		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	8693	Seq. ID	OJ991210_12.0112.C11
Gene No.	18513	Strand	+
Start	1	End	548
Name	OJ991210_12.0112.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	512
GI	none	Score	135
Exons	1..144, 6..182, 270..512, 314..487		

Seq. No.	8693	Seq. ID	OJ991210_12.0112.C11
Gene No.	18513	Strand	+
Start	1	End	548

Name	OJ991210_12.0112.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	512
GI	none	Score	109
Exons	1..144, 6..182, 320..487, 321..512		

Seq. No.	8693	Seq. ID	OJ991210_12.0112.C11
Gene No.	18513	Strand	+
Start	1	End	548
Name	OJ991210_12.0112.C11.o1.tm	Method	TBLASTX:Maize
Start	18	End	449
GI	none	Score	139
Exons	18..176, 19..144, 269..448, 270..449		

Seq. No.	8693	Seq. ID	OJ991210_12.0112.C11
Gene No.	18513	Strand	+
Start	1	End	548
Name	OJ991210_12.0112.C11.o1.gs	Method	GENSCAN
Start	106	End	515
GI	none	Score	.79
Exons	106..180, 270..515		

Seq. No.	8694	Seq. ID	OJ991210_12.0112.C12
Gene No.	18514	Strand	+
Start	1	End	710
Name	OJ991210_12.0112.C12.o1.np	Method	AAT/NAP
Start	1	End	710
GI	2231046	Score	227
Exons	1..101, 281..390, 489..596, 681..710		
GI Descrip.	(Y12618) PPF-1 protein [Pisum sativum]		

Seq. No.	8694	Seq. ID	OJ991210_12.0112.C12
Gene No.	18514	Strand	+
Start	1	End	710
Name	OJ991210_12.0112.C12.o1.gs	Method	GENSCAN
Start	66	End	311
GI	none	Score	.93
Exons	66..311		

Seq. No.	8694	Seq. ID	OJ991210_12.0112.C12
Gene No.	18514	Strand	+
Start	1	End	710
Name	OJ991210_12.0112.C12.o1.tc	Method	TBLASTX:Cress
Start	285	End	593
GI	none	Score	174
Exons	285..386, 286..444, 480..545, 482..550, 486..593, 488..592		

Seq. No.	8694	Seq. ID	OJ991210_12.0112.C12
Gene No.	18514	Strand	+
Start	1	End	710
Name	OJ991210_12.0112.C12.o1.ts	Method	TBLASTX:Soybean
Start	285	End	602
GI	none	Score	163
Exons	285..386, 286..390, 304..390, 494..592, 495..602		

Seq. No.	8694	Seq. ID	OJ991210_12.0112.C12
Gene No.	18514	Strand	+
Start	1	End	710

Name	OJ991210_12.0112.C12.o1.tm	Method	TBLASTX:Maize
Start	285	End	602
GI	none	Score	169
Exons	285..386, 285..386, 286..390, 304..390, 486..602, 487..546, 488..592		

Seq. No.	8695	Seq. ID	OJ991020_10.0119.C1
Gene No.	18515	Strand	+
Start	211	End	756
Name	OJ991020_10.0119.C1.o1.gp	Method	AAT/GAP
Start	211	End	756
GI	986_1.R1084	Score	590
Exons	211..303, 535..756		
GI Descrip.	'571443/gb|U16257|OSU16257 1.0e-105 Oryza sativa clone SR3 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	8696	Seq. ID	OJ991020_10.0119.C2
Gene No.	18516	Strand	+
Start	287	End	1490
Name	OJ991020_10.0119.C2.o1.gs	Method	GENSCAN
Start	287	End	1490
GI	none	Score	.87
Exons	287..323, 1303..1490		

Seq. No.	8697	Seq. ID	OJ991020_10.0119.C3
Gene No.	18517	Strand	+
Start	190	End	2612
Name	OJ991020_10.0119.C3.o1.tc	Method	TBLASTX:Cress
Start	166	End	2555
GI	none	Score	61
Exons	166..267, 316..663, 316..456, 316..477, 318..668, 421..762, 423..761, 508..867, 576..875, 631..972, 733..1086, 733..993, 814..1005, 814..891, 820..1194, 895..1092, 937..1224, 942..1196, 1033..1218, 1041..1196, 1105..1197, 1236..1385, 1280..1402, 1299..1529, 1371..1724, 1401..1616, 1422..1838, 1448..1777, 1455..1601, 1505..1615, 1530..1736, 1623..1841, 1671..2039, 1779..2153, 1824..2060, 1877..2050, 1881..2237, 1950..2135, 1986..2345, 2049..2237, 2079..2450, 2087..2449, 2160..2381, 2196..2555, 2258..2512, 2265..2462, 2331..2447		

Seq. No.	8697	Seq. ID	OJ991020_10.0119.C3
Gene No.	18517	Strand	+
Start	190	End	2612
Name	OJ991020_10.0119.C3.o1.gs	Method	GENSCAN
Start	190	End	2438
GI	none	Score	.8
Exons	190..1256, 1616..2438		

Seq. No.	8697	Seq. ID	OJ991020_10.0119.C3
Gene No.	18517	Strand	+
Start	190	End	2612
Name	OJ991020_10.0119.C3.o1.tm	Method	TBLASTX:Maize
Start	313	End	2603
GI	none	Score	219
Exons	313..867, 409..987, 435..881, 469..1092, 523..1200, 1227..1607, 1248..1811, 1329..1811, 1458..2126, 1632..2351, 1734..2444, 1983..2447, 2016..2393, 2067..2603, 2262..2537		

Seq. No.	8697	Seq. ID	OJ991020_10.0119.C3
Gene No.	18517	Strand	+
Start	190	End	2612
Name	OJ991020_10.0119.C3.o1.ts	Method	TBLASTX:Soybean
Start	316	End	2612
GI	none	Score	148
Exons	316..747, 316..645, 328..663, 328..852, 336..524, 433..1191, 436..552, 466..654, 499..1191, 585..761, 640..819, 712..1167, 880..1197, 931..1221, 940..1074, 1047..1187, 1060..1191, 1245..1784, 1263..1412, 1377..2231, 1451..1783, 1452..2321, 1485..1658, 1617..1715, 1782..2603, 1926..2543, 1986..2603, 2085..2609, 2096..2242, 2184..2555, 2199..2447, 2235..2315, 2262..2393, 2265..2414, 2294..2449, 2298..2612, 2325..2498		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18518	Strand	+
Start	3147	End	5106
Name	OJ991020_10.0119.C4.o2.gs	Method	GENSCAN
Start	3147	End	3767
GI	none	Score	.99
Exons	3147..3767		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18518	Strand	+
Start	3147	End	5106
Name	OJ991020_10.0119.C4.o1.np	Method	AAT/NAP
Start	3180	End	5106
GI	1769907	Score	850
Exons	3180..3715, 4755..5106		
GI Descrip.	(X92975) xyloglucan endo-transglycosylase [Arabidopsis thaliana]		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18519	Strand	+
Start	7724	End	8419
Name	OJ991020_10.0119.C4.o1.gp	Method	AAT/GAP
Start	7724	End	8419
GI	986_1.R1084	Score	844
Exons	7724..7816, 8057..8419		
GI Descrip.	'571443/gb|U16257|OSU16257 1.0e-105 Oryza sativa clone SR3 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18520	Strand	+
Start	8589	End	8718
Name	OJ991020_10.0119.C4.o2.gp	Method	AAT/GAP
Start	8589	End	8718
GI	none	Score	204
Exons	8589..8718		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o3.ts	Method	TBLASTX:Soybean
Start	1167	End	1461
GI	none	Score	71
Exons	1167..1247, 1168..1248, 1309..1461, 1320..1460		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o1.tc	Method	TBLASTX:Cress
Start	3248	End	5106
GI	none	Score	79
Exons	3248..3322, 3249..3323, 3365..3613, 3366..3614, 3627..3716, 3629..3712, 4731..4778, 4750..4779, 4827..4955, 4831..4989, 5002..5106, 5019..5105		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o1.tm	Method	TBLASTX:Maize
Start	3249	End	5108
GI	none	Score	82
Exons	3249..3323, 3366..3614, 3368..3613, 3627..3716, 3629..3700, 4750..4779, 4827..4958, 4831..4980, 4993..5106, 4995..5108		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o1.ts	Method	TBLASTX:Soybean
Start	3249	End	5108
GI	none	Score	77
Exons	3249..3323, 3366..3614, 3368..3613, 3627..3716, 3629..3700, 4750..4779, 4827..4958, 4831..4980, 4993..5106, 4995..5108		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o4.ts	Method	TBLASTX:Soybean
Start	8465	End	8716
GI	none	Score	151
Exons	8465..8584, 8588..8716		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o2.tm	Method	TBLASTX:Maize
Start	8466	End	10601
GI	none	Score	55
Exons	8466..8540, 8504..8575, 8570..8815, 8586..8816, 8592..8816, 8752..8808, 8992..9057, 8992..9060, 8993..9058, 10485..10595, 10485..10601		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o2.tc	Method	TBLASTX:Cress
Start	8492	End	8779
GI	none	Score	107
Exons	8492..8779, 8592..8777		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-

Start	8504	End	11388
Name	OJ991020_10.0119.C4.o4.gs	Method	GENSCAN
Start	8504	End	11311
GI	none	Score	.87
Exons	8504..8803, 8992..9056, 10487..10716, 10809..11311		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o2.np	Method	AAT/NAP
Start	8507	End	11305
GI	6630734	Score	925
Exons	8507..8803, 8992..9056, 10487..10716, 10809..11305		
GI Descrip.	(AL132958) caffeic acid O-methyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o2.ts	Method	TBLASTX:Soybean
Start	8992	End	10961
GI	none	Score	79
Exons	8992..9054, 8993..9055, 10488..10640, 10489..10584, 10524..10643, 10641..10715, 10814..10843, 10874..10960, 10878..10961		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o3.tm	Method	TBLASTX:Maize
Start	10602	End	10913
GI	none	Score	65
Exons	10602..10634, 10629..10718, 10657..10725, 10808..10912, 10812..10913		

Seq. No.	8698	Seq. ID	OJ991020_10.0119.C4
Gene No.	18521	Strand	-
Start	8504	End	11388
Name	OJ991020_10.0119.C4.o3.gp	Method	AAT/GAP
Start	11018	End	11388
GI	none	Score	742
Exons	11018..11388		

Seq. No.	8699	Seq. ID	OJ991020_10.0119.C5
Gene No.	18522	Strand	-
Start	202	End	566
Name	OJ991020_10.0119.C5.o1.gp	Method	AAT/GAP
Start	202	End	566
GI	986_1.R1084	Score	681
Exons	202..566		
GI Descrip.	'571443/gb|U16257|OSU16257 1.0e-105 Oryza sativa clone SR3 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	8700	Seq. ID	OJ991020_10.0119.C7
Gene No.	18523	Strand	-
Start	15	End	516
Name	OJ991020_10.0119.C7.o1.gs	Method	GENSCAN

Start	15	End	516
GI	none	Score	.93
Exons	15..312, 370..516		

Seq. No.	8701	Seq. ID	OJ991020_10.0119.C10
Gene No.	18524	Strand	+
Start	1380	End	2991
Name	OJ991020_10.0119.C10.o1.np	Method	AAT/NAP
Start	1380	End	2991
GI	4204278	Score	638
Exons	1380..2991		
GI Descrip.	(AC004146) putative Cytochrome P450 protein [Arabidopsis thaliana]		

Seq. No.	8701	Seq. ID	OJ991020_10.0119.C10
Gene No.	18524	Strand	+
Start	1380	End	2991
Name	OJ991020_10.0119.C10.o1.gs	Method	GENSCAN
Start	1398	End	2680
GI	none	Score	.96
Exons	1398..2075, 2087..2680		

Seq. No.	8701	Seq. ID	OJ991020_10.0119.C10
Gene No.	18524	Strand	+
Start	1380	End	2991
Name	OJ991020_10.0119.C10.o2.tc	Method	TBLASTX:Cress
Start	1476	End	2045
GI	none	Score	58
Exons	1476..1559, 1614..1724, 1661..1726, 1811..1945, 1812..1946, 2001..2045		

Seq. No.	8701	Seq. ID	OJ991020_10.0119.C10
Gene No.	18524	Strand	+
Start	1380	End	2991
Name	OJ991020_10.0119.C10.o1.ts	Method	TBLASTX:Soybean
Start	1614	End	2985
GI	none	Score	68
Exons	1614..1724, 1803..1988, 2345..2509, 2513..2584, 2677..2754, 2761..2985		

Seq. No.	8701	Seq. ID	OJ991020_10.0119.C10
Gene No.	18524	Strand	+
Start	1380	End	2991
Name	OJ991020_10.0119.C10.o1.tm	Method	TBLASTX:Maize
Start	1629	End	2976
GI	none	Score	48
Exons	1629..1724, 1803..1946, 2345..2626, 2680..2754, 2761..2976		

Seq. No.	8701	Seq. ID	OJ991020_10.0119.C10
Gene No.	18524	Strand	+
Start	1380	End	2991
Name	OJ991020_10.0119.C10.o1.tc	Method	TBLASTX:Cress
Start	2677	End	2970
GI	none	Score	95
Exons	2677..2754, 2761..2970		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12

Gene No.	18525	Strand	+
Start	1484	End	1992
Name	OJ991020_10.0119.C12.o1.gp	Method	AAT/GAP
Start	1484	End	1992
GI	none	Score	990
Exons	1484..1992		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18526	Strand	+
Start	10365	End	11424
Name	OJ991020_10.0119.C12.o2.gs	Method	GENSCAN
Start	10365	End	11424
GI	none	Score	.8
Exons	10365..10476, 10675..10740, 10830..10917, 11028..11109, 11224..11424		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18527	Strand	+
Start	13714	End	15136
Name	OJ991020_10.0119.C12.o3.gp	Method	AAT/GAP
Start	13714	End	14940
GI	287027	Score	418
Exons	13714..13789, 13986..14066, 14859..14940		
GI Descrip.	3892056/gb|AAC78269.1|AAC78269 6.0e-41 (AC002330) putative vacuolar ATPase [Arabidopsis thaliana]		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18527	Strand	+
Start	13714	End	15136
Name	OJ991020_10.0119.C12.o2.np	Method	AAT/NAP
Start	14004	End	15136
GI	3892056	Score	133
Exons	14004..14066, 14859..15136		
GI Descrip.	(AC002330) putative vacuolar ATPase [Arabidopsis thaliana]		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136
Name	OJ991020_10.0119.C12.o1.np	Method	AAT/NAP
Start	1	End	15136
GI	6633838	Score	367
Exons	1..81, 1903..2028, 2275..2436, 2876..3007, 3683..3754, 4346..4446, 4504..4597, 12606..12667, 13026..13158, 15107..15136		
GI Descrip.	(AC008047) F2K11.15 [Arabidopsis thaliana]		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136
Name	OJ991020_10.0119.C12.o1.gs	Method	GENSCAN
Start	1801	End	9747
GI	none	Score	.73
Exons	1801..2028, 2275..2436, 2876..3007, 3683..3750, 4354..4888, 7171..7278, 7873..7980, 9502..9563, 9582..9747		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136

Name	OJ991020_10.0119.C12.o3.tm	Method	TBLASTX:Maize
Start	1961	End	2448
GI	none	Score	92
Exons	1961..2029, 1972..2028, 2266..2439, 2266..2448		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136
Name	OJ991020_10.0119.C12.o1.tm	Method	TBLASTX:Maize
Start	2891	End	5220
GI	none	Score	168
Exons	2891..3016, 2892..3020, 2892..3023, 3022..3087, 3678..3758, 3681..3758, 3683..3760, 3683..3763, 4349..4414, 4353..4451, 4354..4452, 4441..4515, 4449..4523, 4535..4558, 4536..4598, 4601..4642, 4700..4819, 4702..4953, 4703..4951, 4785..4961, 4874..4960, 5083..5127, 5086..5115, 5181..5213, 5182..5220		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136
Name	OJ991020_10.0119.C12.o1.tw	Method	TBLASTX:Wheat
Start	6082	End	6396
GI	none	Score	58
Exons	6082..6159, 6166..6219, 6256..6396, 6288..6374		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136
Name	OJ991020_10.0119.C12.o2.gp	Method	AAT/GAP
Start	7657	End	9765
GI	72459_1.R1084	Score	777
Exons	7657..7980, 9502..9563, 9690..9765		
GI Descrip.	'3892056/gb|AAC78269.1|AAC78269 6.0e-41 (AC002330) putative vacuolar ATPase [Arabidopsis thaliana]'		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136
Name	OJ991020_10.0119.C12.o1.tc	Method	TBLASTX:Cress
Start	11026	End	11415
GI	none	Score	91
Exons	11026..11109, 11215..11415, 11274..11327		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136
Name	OJ991020_10.0119.C12.o1.ts	Method	TBLASTX:Soybean
Start	11026	End	11415
GI	none	Score	87
Exons	11026..11109, 11215..11415		

Seq. No.	8702	Seq. ID	OJ991020_10.0119.C12
Gene No.	18528	Strand	-
Start	1	End	15136
Name	OJ991020_10.0119.C12.o2.tm	Method	TBLASTX:Maize
Start	11026	End	11424
GI	none	Score	90

Exons 11026..11109, 11215..11424, 11274..11417

Seq. No. 8702 Seq. ID OJ991020_10.0119.C12
Gene No. 18528 Strand -
Start 1 End 15136
Name OJ991020_10.0119.C12.o3.gs Method GENSCAN
Start 12445 End 13468
GI none Score .65
Exons 12445..12833, 12835..12937, 13062..13247, 13334..13468

Seq. No. 8703 Seq. ID OJ991020_10.0119.C13
Gene No. 18529 Strand +
Start 1034 End 1086
Name OJ991020_10.0119.C13.o1.gp Method AAT/GAP
Start 1034 End 1086
GI 3061062 Score 58
Exons 1034..1086

Seq. No. 8703 Seq. ID OJ991020_10.0119.C13
Gene No. 18530 Strand -
Start 436 End 1031
Name OJ991020_10.0119.C13.o1.tw Method TBLASTX:Wheat
Start 434 End 792
GI none Score 55
Exons 434..499, 436..498, 437..499, 565..714, 566..715, 572..715, 711..779, 718..777, 718..792

Seq. No. 8703 Seq. ID OJ991020_10.0119.C13
Gene No. 18530 Strand -
Start 436 End 1031
Name OJ991020_10.0119.C13.o1.gs Method GENSCAN
Start 436 End 1031
GI none Score .74
Exons 436..1031

Seq. No. 8704 Seq. ID OJ991020_10.0119.C14
Gene No. 18531 Strand -
Start 59 End 2212
Name OJ991020_10.0119.C14.o1.gs Method GENSCAN
Start 59 End 2212
GI none Score .72
Exons 59..118, 480..803, 1073..1753, 2177..2212

Seq. No. 8704 Seq. ID OJ991020_10.0119.C14
Gene No. 18531 Strand -
Start 59 End 2212
Name OJ991020_10.0119.C14.o1.tw Method TBLASTX:Wheat
Start 415 End 761
GI none Score 48
Exons 415..486, 549..698, 549..698, 550..699, 551..706, 565..699, 687..761

Seq. No. 8705 Seq. ID OJ991020_10.0119.C15
Gene No. 18532 Strand -
Start 1048 End 2353
Name OJ991020_10.0119.C15.o1.tw Method TBLASTX:Wheat
Start 1037 End 1407

GI	none	Score	57
Exons	1037..1120, 1048..1110, 1117..1161, 1183..1326, 1183..1326, 1199..1327, 1200..1334, 1330..1407, 1345..1389		

Seq. No.	8705	Seq. ID	OJ991020_10.0119.C15
Gene No.	18532	Strand	-
Start	1048	End	2353
Name	OJ991020_10.0119.C15.o1.gs	Method	GENSCAN
Start	1048	End	2353
GI	none	Score	.45
Exons	1048..1491, 1772..2353		

Seq. No.	8706	Seq. ID	OJ991020_10.0119.C16
Gene No.	18533	Strand	-
Start	129	End	2610
Name	OJ991020_10.0119.C16.o2.np	Method	AAT/NAP
Start	129	End	2568
GI	6503308	Score	78
Exons	129..165, 2310..2568		
GI Descrip.	(AC011713) Contains PF|00646 F-box domain. ESTs gb|AA586135, gb|Z26675, gb|AI993239 and gb|AA585907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	8706	Seq. ID	OJ991020_10.0119.C16
Gene No.	18533	Strand	-
Start	129	End	2610
Name	OJ991020_10.0119.C16.o1.np	Method	AAT/NAP
Start	509	End	2152
GI	3776023	Score	74
Exons	509..673, 2085..2152		
GI Descrip.	(AJ010473) RNA helicase [Arabidopsis thaliana]		

Seq. No.	8706	Seq. ID	OJ991020_10.0119.C16
Gene No.	18533	Strand	-
Start	129	End	2610
Name	OJ991020_10.0119.C16.o1.tw	Method	TBLASTX:Wheat
Start	926	End	1284
GI	none	Score	64
Exons	926..1000, 928..990, 1057..1206, 1058..1207, 1079..1207, 1210..1284, 1228..1284		

Seq. No.	8706	Seq. ID	OJ991020_10.0119.C16
Gene No.	18533	Strand	-
Start	129	End	2610
Name	OJ991020_10.0119.C16.o1.gs	Method	GENSCAN
Start	928	End	2610
GI	none	Score	.85
Exons	928..1464, 1552..2475, 2575..2610		

Seq. No.	8706	Seq. ID	OJ991020_10.0119.C16
Gene No.	18533	Strand	-
Start	129	End	2610
Name	OJ991020_10.0119.C16.o2.tw	Method	TBLASTX:Wheat
Start	2054	End	2439
GI	none	Score	78
Exons	2054..2242, 2089..2241, 2344..2439		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18534	Strand	+
Start	2706	End	7412
Name	OJ991020_10.0119.C17.o2.np	Method	AAT/NAP
Start	2706	End	3956
GI	6503308	Score	58
Exons	2706..2788, 3764..3956		
GI Descrip.	(AC011713) Contains PF|00646 F-box domain. ESTs gb|AA586135, gb|Z26675, gb|AI993239 and gb|AA585907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18534	Strand	+
Start	2706	End	7412
Name	OJ991020_10.0119.C17.o2.gs	Method	GENSCAN
Start	3638	End	5325
GI	none	Score	.78
Exons	3638..3673, 3785..4684, 4789..5325		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18534	Strand	+
Start	2706	End	7412
Name	OJ991020_10.0119.C17.o3.np	Method	AAT/NAP
Start	5093	End	7412
GI	4160402	Score	59
Exons	5093..5134, 7237..7412		
GI Descrip.	(AJ132240) eukaryotic translation initiation factor 5 [Zea mays]		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18535	Strand	+
Start	7968	End	8392
Name	OJ991020_10.0119.C17.o1.gp	Method	AAT/GAP
Start	7968	End	8392
GI	none	Score	774
Exons	7968..8392		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18536	Strand	+
Start	19040	End	27974
Name	OJ991020_10.0119.C17.o4.gs	Method	GENSCAN
Start	19040	End	27974
GI	none	Score	.5
Exons	19040..19048, 19784..19802, 21418..21438, 21453..21559, 22201..22536, 22559..23104, 23413..24484, 24845..25413, 25453..26004, 26101..26887, 26999..27546, 27714..27974		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18536	Strand	+
Start	19040	End	27974
Name	OJ991020_10.0119.C17.o4.gp	Method	AAT/GAP
Start	21416	End	21628
GI	1631463	Score	291
Exons	21416..21628		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18536	Strand	+
Start	19040	End	27974
Name	OJ991020_10.0119.C17.o5.np	Method	AAT/NAP
Start	23413	End	27076
GI	5042447	Score	5997
Exons	23413..27076		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18536	Strand	+
Start	19040	End	27974
Name	OJ991020_10.0119.C17.o6.np	Method	AAT/NAP
Start	27112	End	27537
GI	1435070	Score	190
Exons	27112..27537		
GI Descrip.	(X99085) integrase [Ascobolus immersus]		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18537	Strand	-
Start	166	End	2874
Name	OJ991020_10.0119.C17.o1.gs	Method	GENSCAN
Start	166	End	2874
GI	none	Score	.47
Exons	166..289, 739..842, 1085..1208, 1445..1632, 1844..2149, 2325..2591, 2839..2874		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18537	Strand	-
Start	166	End	2874
Name	OJ991020_10.0119.C17.o1.np	Method	AAT/NAP
Start	1378	End	2445
GI	1885350	Score	296
Exons	1378..1864, 1902..2177, 2311..2445		
GI Descrip.	(Y11485) serpin [Triticum aestivum]		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o3.ts	Method	TBLASTX:Soybean
Start	1397	End	2563
GI	none	Score	52
Exons	1397..1480, 1496..1609, 1504..1605, 1639..1746, 1640..1732, 1760..1837, 1765..1857, 1904..1966, 2039..2173, 2325..2363, 2379..2477, 2525..2563		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o7.tm	Method	TBLASTX:Maize
Start	1415	End	2182
GI	none	Score	67
Exons	1415..1477, 1490..1609, 1504..1605, 1589..1738, 1639..1737, 1768..1854, 1904..1954, 1904..1954, 2039..2182, 2052..2162		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-

Start	7169	End	17684
Name	OJ991020_10.0119.C17.o9.tw	Method	TBLASTX:Wheat
Start	3815	End	4189
GI	none	Score	135
Exons	3815..3961, 3871..3960, 3980..4177, 3983..4189, 3994..4188		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o11.tw	Method	TBLASTX:Wheat
Start	4966	End	5327
GI	none	Score	53
Exons	4966..5028, 4966..5028, 5039..5173, 5047..5190, 5047..5190, 5212..5256, 5253..5327, 5262..5324, 5263..5325		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o3.gs	Method	GENSCAN
Start	7169	End	17684
GI	none	Score	.8
Exons	7169..7509, 9027..9063, 9785..9861, 10282..10456, 10597..10743, 11357..11412, 11921..12004, 13341..13435, 13596..13693, 13745..13900, 14138..14274, 14335..14344, 14383..14472, 14863..15436, 16474..16561, 17409..17465, 17561..17684		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o2.gp	Method	AAT/GAP
Start	8404	End	8852
GI	uC-osflcyp065d05b1	Score	882
Exons	8404..8852		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-12 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o11.tm	Method	TBLASTX:Maize
Start	10586	End	10850
GI	none	Score	112
Exons	10586..10687, 10588..10689, 10595..10678, 10597..10683, 10793..10849, 10793..10849, 10794..10850, 10797..10850		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o4.np	Method	AAT/NAP
Start	10589	End	12331
GI	6691218	Score	95
Exons	10589..10689, 10800..10859, 12278..12331		
GI Descrip.	(AC007508) F1K23.6 [Arabidopsis thaliana]		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-

Start	7169	End	17684
Name	OJ991020_10.0119.C17.o3.gp	Method	AAT/GAP
Start	10593	End	10675
GI	17389_1.R1084	Score	95
Exons	10593..10675		
GI Descrip.	'6006869/gb|AAF00645.1|AC009540_22 2.0e-34 (AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]'		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o6.tm	Method	TBLASTX:Maize
Start	12249	End	12886
GI	none	Score	80
Exons	12249..12338, 12287..12340, 12455..12604, 12477..12602, 12764..12886, 12765..12860		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o5.ts	Method	TBLASTX:Soybean
Start	12251	End	12886
GI	none	Score	70
Exons	12251..12340, 12285..12341, 12288..12338, 12455..12604, 12475..12591, 12477..12593, 12764..12886		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o1.tc	Method	TBLASTX:Cress
Start	14132	End	14466
GI	none	Score	152
Exons	14132..14266, 14133..14267, 14136..14267, 14138..14269, 14386..14466, 14386..14466		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o8.tm	Method	TBLASTX:Maize
Start	14132	End	15007
GI	none	Score	153
Exons	14132..14275, 14136..14276, 14383..14466, 14383..14466, 14391..14420, 14406..14474, 14863..14928, 14948..15007		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o4.ts	Method	TBLASTX:Soybean
Start	14132	End	14937
GI	none	Score	160
Exons	14132..14275, 14139..14276, 14383..14454, 14383..14466, 14863..14937		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18538	Strand	-
Start	7169	End	17684
Name	OJ991020_10.0119.C17.o10.tw	Method	TBLASTX:Wheat

Start	14135	End	14928
GI	none	Score	147
Exons	14135..14275, 14136..14276, 14383..14466, 14383..14466, 14391..14474, 14863..14928		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18539	Strand	
Start	23680	End	24216
Name	OJ991020_10.0119.C17.o6.tw	Method	TBLASTX:Wheat
Start	23680	End	24039
GI	none	Score	308
Exons	23680..24039, 23706..23780, 23805..24038		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18539	Strand	
Start	23680	End	24216
Name	OJ991020_10.0119.C17.o9.tm	Method	TBLASTX:Maize
Start	23920	End	24216
GI	none	Score	210
Exons	23920..24216, 23920..24204, 23937..24107		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18540	Strand	
Start	24556	End	24972
Name	OJ991020_10.0119.C17.o8.tw	Method	TBLASTX:Wheat
Start	24556	End	24972
GI	none	Score	153
Exons	24556..24765, 24573..24704, 24790..24972, 24816..24971		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18541	Strand	
Start	25135	End	26004
Name	OJ991020_10.0119.C17.o4.tw	Method	TBLASTX:Wheat
Start	25135	End	25617
GI	none	Score	532
Exons	25135..25617, 25239..25574, 25246..25614		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18541	Strand	
Start	25135	End	26004
Name	OJ991020_10.0119.C17.o5.tm	Method	TBLASTX:Maize
Start	25147	End	25436
GI	none	Score	322
Exons	25147..25434, 25245..25436		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18541	Strand	
Start	25135	End	26004
Name	OJ991020_10.0119.C17.o3.tm	Method	TBLASTX:Maize
Start	25504	End	26004
GI	none	Score	161
Exons	25504..25683, 25669..26004, 25755..25886, 25911..25961		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18541	Strand	
Start	25135	End	26004
Name	OJ991020_10.0119.C17.o1.ts	Method	TBLASTX:Soybean

Start	25558	End	25953
GI	none	Score	57
Exons	25558..25590, 25558..25602, 25594..25953, 25594..25674, 25689..25952		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18541	Strand	
Start	25135	End	26004
Name	OJ991020_10.0119.C17.o5.tw	Method	TBLASTX:Wheat
Start	25666	End	25967
GI	none	Score	398
Exons	25666..25962, 25686..25967		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18542	Strand	
Start	25968	End	26478
Name	OJ991020_10.0119.C17.o2.tw	Method	TBLASTX:Wheat
Start	25968	End	26478
GI	none	Score	192
Exons	25968..26381, 25969..26478, 26001..26387, 26047..26394		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18542	Strand	
Start	25968	End	26478
Name	OJ991020_10.0119.C17.o6.ts	Method	TBLASTX:Soybean
Start	25975	End	26220
GI	none	Score	198
Exons	25975..26220		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18542	Strand	
Start	25968	End	26478
Name	OJ991020_10.0119.C17.o2.tm	Method	TBLASTX:Maize
Start	26041	End	26406
GI	none	Score	481
Exons	26041..26394, 26043..26387, 26061..26399, 26093..26404, 26095..26406		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18543	Strand	
Start	26482	End	27947
Name	OJ991020_10.0119.C17.o3.tw	Method	TBLASTX:Wheat
Start	26482	End	26961
GI	none	Score	563
Exons	26482..26961, 26527..26928, 26706..26960		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18543	Strand	
Start	26482	End	27947
Name	OJ991020_10.0119.C17.o2.ts	Method	TBLASTX:Soybean
Start	26749	End	27009
GI	none	Score	270
Exons	26749..27009, 26754..27008		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18543	Strand	
Start	26482	End	27947

Name	OJ991020_10.0119.C17.o4.tm	Method	TBLASTX:Maize
Start	26808	End	27099
GI	none	Score	360
Exons	26808..27095, 26809..27099		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18543	Strand	
Start	26482	End	27947
Name	OJ991020_10.0119.C17.o1.tw	Method	TBLASTX:Wheat
Start	26970	End	27594
GI	none	Score	731
Exons	26970..27593, 26971..27594		

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18543	Strand	
Start	26482	End	27947
Name	OJ991020_10.0119.C17.o1.tm	Method	TBLASTX:Maize
Start	27148	End	27746
GI	none	Score	227
Exons	27148..27309, 27151..27264, 27307..27639, 27309..27608,	27152..27298, 27552..27746,	27156..27302, 27626..27733

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18543	Strand	
Start	26482	End	27947
Name	OJ991020_10.0119.C17.o7.tw	Method	TBLASTX:Wheat
Start	27595	End	27926
GI	none	Score	72
Exons	27595..27645, 27608..27802,	27609..27926	

Seq. No.	8707	Seq. ID	OJ991020_10.0119.C17
Gene No.	18543	Strand	
Start	26482	End	27947
Name	OJ991020_10.0119.C17.o10.tm	Method	TBLASTX:Maize
Start	27750	End	27947
GI	none	Score	197
Exons	27750..27947		

Seq. No.	8708	Seq. ID	OJ991020_10.0119.C18
Gene No.	18544	Strand	-
Start	1549	End	2171
Name	OJ991020_10.0119.C18.o1.gs	Method	GENSCAN
Start	1549	End	2119
GI	none	Score	.94
Exons	1549..2119		

Seq. No.	8708	Seq. ID	OJ991020_10.0119.C18
Gene No.	18544	Strand	-
Start	1549	End	2171
Name	OJ991020_10.0119.C18.o1.np	Method	AAT/NAP
Start	1552	End	2171
GI	2346972	Score	252
Exons	1552..1617, 1660..2171		
GI Descrip.	(AB006598) ZPT2-11 [Petunia x hybrida]		

Seq. No.	8709	Seq. ID	OJ991020_10.0119.C19
Gene No.	18545	Strand	-

Start	3739	End	4689
Name	OJ991020_10.0119.C19.o2.gs	Method	GENSCAN
Start	3739	End	4689
GI	none	Score	.41
Exons	3739..3808, 4323..4487, 4628..4689		

Seq. No.	8710	Seq. ID	OJ991020_10.0119.C21
Gene No.	18546	Strand	-
Start	483	End	697
Name	OJ991020_10.0119.C21.o1.np	Method	AAT/NAP
Start	483	End	697
GI	3892056	Score	73
Exons	483..697		
GI Descrip.	(AC002330) putative vacuolar ATPase [Arabidopsis thaliana]		

Seq. No.	8710	Seq. ID	OJ991020_10.0119.C21
Gene No.	18547	Strand	-
Start	625	End	697
Name	OJ991020_10.0119.C21.o1.gp	Method	AAT/GAP
Start	625	End	697
GI	287027	Score	134
Exons	625..697		
GI Descrip.	3892056/gb|AAC78269.1|AAC78269 6.0e-41 (AC002330) putative vacuolar ATPase [Arabidopsis thaliana]		

Seq. No.	8711	Seq. ID	OJ991210_16.0121.C2
Gene No.	18548	Strand	
Start	1	End	376
Name	OJ991210_16.0121.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	376
GI	none	Score	177
Exons	1..162, 1..237, 163..261, 164..262, 179..262, 275..376, 286..369		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18549	Strand	+
Start	6487	End	12564
Name	OJ991210_16.0121.C4.o2.gs	Method	GENSCAN
Start	6487	End	12325
GI	none	Score	.77
Exons	6487..6642, 6675..7239, 7392..8038, 8075..8516, 8676..8923, 9055..9470, 9567..10057, 10065..10532, 10858..10963, 11041..12325		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18549	Strand	+
Start	6487	End	12564
Name	OJ991210_16.0121.C4.o2.np	Method	AAT/NAP
Start	6487	End	12564
GI	5922631	Score	6429
Exons	6487..6610, 6869..7115, 7421..7604, 7650..8235, 8278..8426, 8553..9478, 10083..12564		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon		

Cinful-1. (AF049110) [Oryza sativ

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18550	Strand	-
Start	1544	End	5862
Name	OJ991210_16.0121.C4.o1.np	Method	AAT/NAP
Start	822	End	3547
GI	4567251	Score	738
Exons	822..868, 1833..1964, 2105..2176, 2264..2333, 2421..2518, 2715..2810, 3170..3547		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18550	Strand	-
Start	1544	End	5862
Name	OJ991210_16.0121.C4.o1.gs	Method	GENSCAN
Start	1544	End	5862
GI	none	Score	.59
Exons	1544..1576, 1851..1964, 2105..2176, 2264..2333, 3000..3067, 3170..3672, 5697..5862		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18551	Strand	-
Start	12871	End	17030
Name	OJ991210_16.0121.C4.o3.gs	Method	GENSCAN
Start	12871	End	15603
GI	none	Score	.86
Exons	12871..13379, 13453..13565, 14003..14081, 14159..14517, 14600..14750, 14986..15067, 15143..15409, 15598..15603		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18551	Strand	-
Start	12871	End	17030
Name	OJ991210_16.0121.C4.o3.np	Method	AAT/NAP
Start	12931	End	17030
GI	6691716	Score	1281
Exons	12931..13379, 13453..13565, 13716..13819, 13894..14081, 14159..14334, 14411..14517, 14600..14745, 16961..17030		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o1.tc	Method	TBLASTX:Cress
Start	1848	End	3373
GI	none	Score	122
Exons	1848..1973, 1849..1965, 1911..1982, 2103..2180, 2104..2178, 2117..2182, 2264..2332, 2264..2332, 2418..2507, 2420..2512, 2420..2512, 2706..2915, 2713..2907, 2715..2915, 2996..3070, 2999..3070, 3170..3283, 3174..3284, 3278..3373, 3279..3371		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o1.ts	Method	TBLASTX:Soybean

Start	1849	End	3374
GI	none	Score	135
Exons	1849..1947, 1849..1971, 1911..1982, 2103..2180, 2117..2182, 2264..2332, 2403..2507, 2420..2512, 2420..2512, 2704..2928, 2710..2898, 2715..2915, 2993..3070, 2999..3070, 3170..3277, 3174..3278, 3266..3373, 3267..3374		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o1.tm	Method	TBLASTX:Maize
Start	2444	End	3484
GI	none	Score	107
Exons	2444..2521, 2444..2521, 2706..2915, 2716..2910, 2741..2917, 2741..2917, 2993..3070, 2999..3070, 3170..3391, 3174..3392, 3446..3484, 3452..3484		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o6.tw	Method	TBLASTX:Wheat
Start	7840	End	8242
GI	none	Score	269
Exons	7840..8109, 7841..8242		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o5.tw	Method	TBLASTX:Wheat
Start	8905	End	9228
GI	none	Score	302
Exons	8905..9228, 8908..9216, 8916..9224		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o1.tw	Method	TBLASTX:Wheat
Start	9496	End	9951
GI	none	Score	478
Exons	9496..9951, 9523..9921, 9531..9950		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o3.ts	Method	TBLASTX:Soybean
Start	9535	End	9900
GI	none	Score	122
Exons	9535..9759, 9766..9900		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o3.tm	Method	TBLASTX:Maize
Start	9625	End	9981
GI	none	Score	366
Exons	9625..9981, 9666..9971		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o3.tw	Method	TBLASTX:Wheat
Start	10064	End	10450
GI	none	Score	354
Exons	10064..10450, 10108..10446		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o2.ts	Method	TBLASTX:Soybean
Start	10112	End	10453
GI	none	Score	223
Exons	10112..10453, 10159..10317		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o4.tm	Method	TBLASTX:Maize
Start	10210	End	10655
GI	none	Score	250
Exons	10210..10449, 10211..10450, 10488..10631, 10503..10619, 10629..10655		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o7.tw	Method	TBLASTX:Wheat
Start	10455	End	10742
GI	none	Score	265
Exons	10455..10742		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o4.tw	Method	TBLASTX:Wheat
Start	10779	End	11209
GI	none	Score	130
Exons	10779..10889, 10782..10877, 10784..10969, 10925..11209, 10927..11124		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o9.tw	Method	TBLASTX:Wheat
Start	11216	End	11515
GI	none	Score	134
Exons	11216..11350, 11219..11359, 11250..11363, 11417..11515		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o2.tm	Method	TBLASTX:Maize
Start	11512	End	11875
GI	none	Score	427
Exons	11512..11823, 11513..11824, 11828..11875		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o2.tw	Method	TBLASTX:Wheat
Start	11518	End	11907
GI	none	Score	408
Exons	11518..11829, 11519..11905, 11720..11905, 11860..11907		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o8.tw	Method	TBLASTX:Wheat
Start	12020	End	12585
GI	none	Score	261
Exons	12020..12289, 12040..12126, 12175..12279, 12451..12585		

Seq. No.	8712	Seq. ID	OJ991210_16.0121.C4
Gene No.	18552	Strand	-
Start	17020	End	18408
Name	OJ991210_16.0121.C4.o4.gs	Method	GENSCAN
Start	17020	End	18408
GI	none	Score	.64
Exons	17020..17120, 17157..17354, 17667..17744, 18213..18290, 18361..18408		

Seq. No.	8713	Seq. ID	OJ991210_16.0121.C6
Gene No.	18553	Strand	-
Start	1	End	13007
Name	OJ991210_16.0121.C6.o1.np	Method	AAT/NAP
Start	1	End	7913
GI	5441880	Score	772
Exons	1..111, 1613..1874, 6426..6470, 6912..7835, 7863..7913		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8713	Seq. ID	OJ991210_16.0121.C6
Gene No.	18553	Strand	-
Start	1	End	13007
Name	OJ991210_16.0121.C6.o1.tw	Method	TBLASTX:Wheat
Start	6658	End	7044
GI	none	Score	88
Exons	6658..6858, 6745..6858, 6755..6859, 6871..7044, 6901..7020		

Seq. No.	8713	Seq. ID	OJ991210_16.0121.C6
Gene No.	18553	Strand	-
Start	1	End	13007
Name	OJ991210_16.0121.C6.o2.gs	Method	GENSCAN
Start	6721	End	13007
GI	none	Score	.44
Exons	6721..7486, 7630..7945, 8245..8412, 10174..10270, 11164..11498, 11519..12071, 12863..13007		

Seq. No.	8713	Seq. ID	OJ991210_16.0121.C6
Gene No.	18553	Strand	-
Start	1	End	13007

Name	OJ991210_16.0121.C6.o1.tm	Method	TBLASTX:Maize
Start	6769	End	7356
GI	none	Score	36
Exons	6769..6849, 6806..6850, 6889..7125, 6889..7179, 6980..7180, 7234..7356, 7238..7351		

Seq. No.	8713	Seq. ID	OJ991210_16.0121.C6
Gene No.	18553	Strand	-
Start	1	End	13007
Name	OJ991210_16.0121.C6.o2.np	Method	AAT/NAP
Start	11155	End	11921
GI	5902448	Score	1093
Exons	11155..11921		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	8713	Seq. ID	OJ991210_16.0121.C6
Gene No.	18553	Strand	-
Start	1	End	13007
Name	OJ991210_16.0121.C6.o2.tw	Method	TBLASTX:Wheat
Start	11547	End	11819
GI	none	Score	193
Exons	11547..11819		

Seq. No.	8714	Seq. ID	OJ991210_16.0121.C7
Gene No.	18554	Strand	+
Start	1764	End	3127
Name	OJ991210_16.0121.C7.o1.gs	Method	GENSCAN
Start	1764	End	3127
GI	none	Score	.44
Exons	1764..1807, 2068..2098, 2888..3127		

Seq. No.	8715	Seq. ID	OJ991210_16.0121.C8
Gene No.	18555	Strand	-
Start	51	End	7278
Name	OJ991210_16.0121.C8.o1.gs	Method	GENSCAN
Start	51	End	6069
GI	none	Score	.41
Exons	51..167, 385..551, 838..1045, 2084..2111, 2153..2231, 2680..2823, 3005..3259, 3601..3901, 4438..4570, 6059..6069		

Seq. No.	8715	Seq. ID	OJ991210_16.0121.C8
Gene No.	18555	Strand	-
Start	51	End	7278
Name	OJ991210_16.0121.C8.o1.np	Method	AAT/NAP
Start	1382	End	7278
GI	5430765	Score	187
Exons	1382..1636, 2434..2560, 3585..3696, 4801..4892, 7236..7278		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	8715	Seq. ID	OJ991210_16.0121.C8
Gene No.	18556	Strand	-
Start	7202	End	14910
Name	OJ991210_16.0121.C8.o2.gs	Method	GENSCAN
Start	7202	End	14910
GI	none	Score	.6
Exons	7202..7392, 7735..7868, 10024..10133, 10343..10462, 10560..10654, 11565..11669, 12372..12586, 13104..13168,		

14278..14910

Seq. No.	8715	Seq. ID	OJ991210_16.0121.C8
Gene No.	18557	Strand	-
Start	16028	End	16775
Name	OJ991210_16.0121.C8.o1.tm	Method	TBLASTX:Maize
Start	14311	End	14547
GI	none	Score	136
Exons	14311..14409, 14312..14404, 14464..14547, 14465..14545		

Seq. No.	8715	Seq. ID	OJ991210_16.0121.C8
Gene No.	18557	Strand	-
Start	16028	End	16775
Name	OJ991210_16.0121.C8.o3.gs	Method	GENSCAN
Start	16028	End	16775
GI	none	Score	.58
Exons	16028..16113, 16137..16340, 16355..16593, 16631..16670, 16691..16775		

Seq. No.	8716	Seq. ID	OJ991210_16.0121.C9
Gene No.	18558	Strand	+
Start	2822	End	8289
Name	OJ991210_16.0121.C9.o1.gs	Method	GENSCAN
Start	2822	End	8289
GI	none	Score	.67
Exons	2822..2946, 3068..3288, 3361..3517, 3685..3916, 8125..8289		

Seq. No.	8716	Seq. ID	OJ991210_16.0121.C9
Gene No.	18559	Strand	-
Start	2885	End	3514
Name	OJ991210_16.0121.C9.o1.np	Method	AAT/NAP
Start	2885	End	3514
GI	6006381	Score	221
Exons	2885..3056, 3243..3514		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	8716	Seq. ID	OJ991210_16.0121.C9
Gene No.	18560	Strand	-
Start	9574	End	12883
Name	OJ991210_16.0121.C9.o2.gs	Method	GENSCAN
Start	9574	End	12883
GI	none	Score	.71
Exons	9574..9772, 10803..10881, 11338..11486, 12109..12258, 12798..12883		

Seq. No.	8717	Seq. ID	OJ991210_16.0121.C10
Gene No.	18561	Strand	+
Start	1133	End	3458
Name	OJ991210_16.0121.C10.o1.np	Method	AAT/NAP
Start	1133	End	2866
GI	6721512	Score	64
Exons	1133..1250, 1278..1415, 2772..2866		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8717	Seq. ID	OJ991210_16.0121.C10
Gene No.	18561	Strand	+
Start	1133	End	3458

Name	OJ991210_16.0121.C10.o1.gs	Method	GENSCAN
Start	1315	End	3408
GI	none	Score	..82
Exons	1315..1399, 1584..1656, 1983..2179, 2400..2738, 2906..3030, 3143..3277, 3350..3408		

Seq. No.	8717	Seq. ID	OJ991210_16.0121.C10
Gene No.	18561	Strand	+
Start	1133	End	3458
Name	OJ991210_16.0121.C10.o2.np	Method	AAT/NAP
Start	2080	End	3327
GI	6721558	Score	233
Exons	2080..2179, 2906..3055, 3145..3327		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8717	Seq. ID	OJ991210_16.0121.C10
Gene No.	18561	Strand	+
Start	1133	End	3458
Name	OJ991210_16.0121.C10.o3.np	Method	AAT/NAP
Start	2163	End	3458
GI	6721561	Score	193
Exons	2163..2232, 3099..3277, 3350..3458		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18562	Strand	+
Start	1	End	557
Name	OJ991210_16.0121.C11.o1.np	Method	AAT/NAP
Start	1	End	557
GI	6721561	Score	588
Exons	1..557		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18563	Strand	+
Start	2878	End	7765
Name	OJ991210_16.0121.C11.o3.np	Method	AAT/NAP
Start	2878	End	7765
GI	6721512	Score	72
Exons	2878..2908, 6805..6848, 7629..7765		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18564	Strand	-
Start	2041	End	8147
Name	OJ991210_16.0121.C11.o2.gs	Method	GENSCAN
Start	2041	End	8147

GI	none	Score	.61
Exons	2041..2847, 2983..4497, 4802..4963, 5022..5050, 5253..6749, 7166..7439, 7524..7702, 8024..8147		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18564	Strand	-
Start	2041	End	8147
Name	OJ991210_16.0121.C11.o2.np	Method	AAT/NAP
Start	2077	End	6341
GI	5922631	Score	2692
Exons	2077..3285, 3325..5367, 5491..5745, 5788..6341		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o1.tw	Method	TBLASTX:Wheat
Start	2053	End	2661
GI	none	Score	69
Exons	2053..2184, 2054..2179, 2209..2661, 2405..2512		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o4.tm	Method	TBLASTX:Maize
Start	2089	End	2355
GI	none	Score	153
Exons	2089..2163, 2147..2188, 2173..2355		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o2.tw	Method	TBLASTX:Wheat
Start	2785	End	3168
GI	none	Score	194
Exons	2785..3168, 2786..3160		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o1.tm	Method	TBLASTX:Maize
Start	2863	End	3168
GI	none	Score	177
Exons	2863..3168, 2864..3145		

Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o4.tw	Method	TBLASTX:Wheat
Start	3670	End	4077
GI	none	Score	59

Exons	3670..3741, 3670..3825, 3853..4077		
Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o6.tw	Method	TBLASTX:Wheat
Start	4078	End	4399
GI	none	Score	67
Exons	4078..4146, 4138..4398, 4160..4399		
Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o2.tm	Method	TBLASTX:Maize
Start	4153	End	4456
GI	none	Score	122
Exons	4153..4293, 4225..4455, 4229..4456		
Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o3.tw	Method	TBLASTX:Wheat
Start	4426	End	5187
GI	none	Score	127
Exons	4426..4677, 4427..4588, 4737..4895, 4748..4894, 4892..4966, 4894..4968, 5005..5187, 5078..5179		
Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o5.tw	Method	TBLASTX:Wheat
Start	5818	End	6216
GI	none	Score	83
Exons	5818..6093, 5819..6046, 6052..6165, 6104..6154, 6166..6216		
Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o3.tm	Method	TBLASTX:Maize
Start	5932	End	6171
GI	none	Score	186
Exons	5932..6171		
Seq. No.	8718	Seq. ID	OJ991210_16.0121.C11
Gene No.	18565	Strand	-
Start	8591	End	9071
Name	OJ991210_16.0121.C11.o3.gs	Method	GENSCAN
Start	8591	End	9071
GI	none	Score	.61
Exons	8591..8645, 8771..8957, 9062..9071		
Seq. No.	8719	Seq. ID	OJ991210_16.0121.C12
Gene No.	18566	Strand	+
Start	5	End	3418
Name	OJ991210_16.0121.C12.o1.gs	Method	GENSCAN
Start	5	End	3338
GI	none	Score	.7

Exons	5..70, 99..134, 1257..1343, 1439..1528, 2100..2180, 2315..2509, 2855..3338		
Seq. No.	8719	Seq. ID	OJ991210_16.0121.C12
Gene No.	18566	Strand	+
Start	5	End	3418
Name	OJ991210_16.0121.C12.o1.np	Method	AAT/NAP
Start	1209	End	3418
GI	6665545	Score	724
Exons	1209..1343, 1439..1528, 2100..2180, 2315..2509, 2893..3418		
GI Descrip.	(AC013289) putative regulator of chromosome condensation [Arabidopsis thaliana]		
Seq. No.	8719	Seq. ID	OJ991210_16.0121.C12
Gene No.	18566	Strand	+
Start	5	End	3418
Name	OJ991210_16.0121.C12.o1.ts	Method	TBLASTX:Soybean
Start	1281	End	3394
GI	none	Score	101
Exons	1281..1343, 1295..1339, 1415..1537, 2100..2156, 2315..2416, 3025..3150, 3224..3394, 3235..3324		
Seq. No.	8719	Seq. ID	OJ991210_16.0121.C12
Gene No.	18566	Strand	+
Start	5	End	3418
Name	OJ991210_16.0121.C12.o2.tm	Method	TBLASTX:Maize
Start	2400	End	3010
GI	none	Score	96
Exons	2400..2510, 2402..2509, 2409..2510, 2410..2511, 2846..3010, 2854..3009		
Seq. No.	8719	Seq. ID	OJ991210_16.0121.C12
Gene No.	18566	Strand	+
Start	5	End	3418
Name	OJ991210_16.0121.C12.o1.tc	Method	TBLASTX:Cress
Start	3140	End	3406
GI	none	Score	83
Exons	3140..3406, 3141..3398, 3221..3400		
Seq. No.	8719	Seq. ID	OJ991210_16.0121.C12
Gene No.	18566	Strand	+
Start	5	End	3418
Name	OJ991210_16.0121.C12.o1.tm	Method	TBLASTX:Maize
Start	3190	End	3406
GI	none	Score	151
Exons	3190..3312, 3191..3406, 3221..3400, 3236..3343		
Seq. No.	8720	Seq. ID	OJ991210_16.0121.C18
Gene No.	18567	Strand	+
Start	565	End	729
Name	OJ991210_16.0121.C18.o1.gs	Method	GENSCAN
Start	565	End	729
GI	none	Score	.4
Exons	565..729		
Seq. No.	8721	Seq. ID	OJ991210_16.0121.C19
Gene No.	18568	Strand	+

Start	270	End	684
Name	OJ991210_16.0121.C19.o1.gs	Method	GENSCAN
Start	270	End	684
GI	none	Score	.82
Exons	270..424, 476..684		

Seq. No.	8722	Seq. ID	OJ991210_16.0121.C20
Gene No.	18569	Strand	-
Start	1	End	339
Name	OJ991210_16.0121.C20.o1.np	Method	AAT/NAP
Start	1	End	339
GI	5902447	Score	236
Exons	1..339		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	8722	Seq. ID	OJ991210_16.0121.C20
Gene No.	18569	Strand	-
Start	1	End	339
Name	OJ991210_16.0121.C20.o1.gs	Method	GENSCAN
Start	81	End	231
GI	none	Score	.94
Exons	81..231		

Seq. No.	8723	Seq. ID	OJ991210_16.0121.C21
Gene No.	18570	Strand	+
Start	2873	End	3956
Name	OJ991210_16.0121.C21.o1.np	Method	AAT/NAP
Start	2873	End	3956
GI	882341	Score	440
Exons	2873..3145, 3185..3528, 3635..3956		
GI Descrip.	(U24702) LRP1 [Arabidopsis thaliana]		

Seq. No.	8723	Seq. ID	OJ991210_16.0121.C21
Gene No.	18570	Strand	+
Start	2873	End	3956
Name	OJ991210_16.0121.C21.o1.tc	Method	TBLASTX:Cress
Start	3196	End	3902
GI	none	Score	235
Exons	3196..3342, 3206..3349, 3491..3523, 3641..3811, 3645..3812, 3867..3902		

Seq. No.	8723	Seq. ID	OJ991210_16.0121.C21
Gene No.	18570	Strand	+
Start	2873	End	3956
Name	OJ991210_16.0121.C21.o1.ts	Method	TBLASTX:Soybean
Start	3199	End	3349
GI	4301121	Score	254
Exons	3199..3348, 3209..3349		
GI Descrip.	882341 3.0e-21 (U24702) LRP1 [Arabidopsis thaliana]		

Seq. No.	8723	Seq. ID	OJ991210_16.0121.C21
Gene No.	18570	Strand	+
Start	2873	End	3956
Name	OJ991210_16.0121.C21.o2.ts	Method	TBLASTX:Soybean
Start	3491	End	3812
GI	none	Score	39
Exons	3491..3523, 3632..3760, 3636..3728, 3707..3811, 3711..3812		

Seq. No.	8724	Seq. ID	OJ991220_11.0120.C1
Gene No.	18571	Strand	-
Start	1	End	705
Name	OJ991220_11.0120.C1.o1.np	Method	AAT/NAP
Start	1	End	705
GI	6815107	Score	459
Exons	1..705		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	8724	Seq. ID	OJ991220_11.0120.C1
Gene No.	18571	Strand	-
Start	1	End	705
Name	OJ991220_11.0120.C1.o1.tw	Method	TBLASTX:Wheat
Start	19	End	446
GI	none	Score	53
Exons	19..168, 188..445, 230..385, 285..446		

Seq. No.	8724	Seq. ID	OJ991220_11.0120.C1
Gene No.	18571	Strand	-
Start	1	End	705
Name	OJ991220_11.0120.C1.o1.ts	Method	TBLASTX:Soybean
Start	82	End	619
GI	none	Score	94
Exons	82..168, 296..619, 336..581		

Seq. No.	8724	Seq. ID	OJ991220_11.0120.C1
Gene No.	18571	Strand	-
Start	1	End	705
Name	OJ991220_11.0120.C1.o1.gs	Method	GENSCAN
Start	185	End	601
GI	none	Score	.53
Exons	185..372, 520..601		

Seq. No.	8724	Seq. ID	OJ991220_11.0120.C1
Gene No.	18571	Strand	-
Start	1	End	705
Name	OJ991220_11.0120.C1.o1.tm	Method	TBLASTX:Maize
Start	296	End	679
GI	none	Score	56
Exons	296..382, 296..679, 417..578, 422..631		

Seq. No.	8724	Seq. ID	OJ991220_11.0120.C1
Gene No.	18571	Strand	-
Start	1	End	705
Name	OJ991220_11.0120.C1.o1.tc	Method	TBLASTX:Cress
Start	341	End	679
GI	none	Score	98
Exons	341..679, 369..581		

Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18572	Strand	+
Start	1	End	1690
Name	OJ991220_11.0120.C2.o1.np	Method	AAT/NAP
Start	1	End	1378
GI	2632252	Score	713

Exons	1..114, 220..327, 676..789, 919..975, 1056..1130, 1304..1378		
GI Descrip.	(Y12464) serine/threonine kinase [Sorghum bicolor]		
Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18572	Strand	+
Start	1	End	1690
Name	OJ991220_11.0120.C2.o1.gs	Method	GENSCAN
Start	220	End	1148
GI	none	Score	.9
Exons	220..327, 676..789, 1056..1148		
Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18572	Strand	+
Start	1	End	1690
Name	OJ991220_11.0120.C2.o1.gp	Method	AAT/GAP
Start	909	End	1690
GI	28059_1.R1084	Score	969
Exons	909..975, 1056..1130, 1304..1690		
GI Descrip.	'6005956/ref|NP_009171.1|pYVH1| 2.0e-15 S. cerevisiae YVH1 protein-tyrosine phosphatase ortholog >gi_5764099_gb_AAD51134.1_AF119226_1 (AF119226) dual-specificity tyrosine phosphatase YVH1 [Homo sapiens]'		
Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18573	Strand	-
Start	1349	End	2435
Name	OJ991220_11.0120.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	1371
GI	none	Score	195
Exons	1..114, 1..114, 5..118, 205..249, 208..327, 219..248, 220..252, 237..368, 237..329, 668..787, 672..788, 673..792, 673..789, 911..961, 913..966, 916..981, 918..974, 1038..1139, 1045..1128, 1053..1130, 1301..1369, 1303..1371, 1303..1362		
Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18573	Strand	-
Start	1349	End	2435
Name	OJ991220_11.0120.C2.o2.ts	Method	TBLASTX:Soybean
Start	1	End	1357
GI	none	Score	142
Exons	1..114, 3..116, 16..51, 193..246, 208..327, 219..248, 237..326, 263..331, 672..788, 673..792, 673..792, 916..978, 921..974, 1053..1130, 1055..1123, 1301..1357		
Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18573	Strand	-
Start	1349	End	2435
Name	OJ991220_11.0120.C2.o2.gs	Method	GENSCAN
Start	1349	End	2374
GI	none	Score	.73
Exons	1349..1455, 1807..1931, 2178..2374		
Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18573	Strand	-
Start	1349	End	2435
Name	OJ991220_11.0120.C2.o1.tc	Method	TBLASTX:Cress
Start	2177	End	2392

GI	none	Score	38
Exons	2177..2392, 2177..2371, 2181..2216, 2280..2390		

Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18573	Strand	-
Start	1349	End	2435
Name	OJ991220_11.0120.C2.o2.np	Method	AAT/NAP
Start	2177	End	2435
GI	1168749	Score	263
Exons	2177..2435		
GI Descrip.	CALMODULIN-6 gi|1076298|pir||S35187 calmodulin 6 - Arabidopsis thaliana gi|16227|emb|CAA78059| (Z12024) calmodulin [Arabidopsis thaliana]		

Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18573	Strand	-
Start	1349	End	2435
Name	OJ991220_11.0120.C2.o1.tw	Method	TBLASTX:Wheat
Start	2177	End	2392
GI	none	Score	143
Exons	2177..2392, 2177..2371, 2181..2390		

Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18573	Strand	-
Start	1349	End	2435
Name	OJ991220_11.0120.C2.o1.ts	Method	TBLASTX:Soybean
Start	2177	End	2392
GI	none	Score	132
Exons	2177..2392, 2177..2371, 2181..2390		

Seq. No.	8725	Seq. ID	OJ991220_11.0120.C2
Gene No.	18573	Strand	-
Start	1349	End	2435
Name	OJ991220_11.0120.C2.o2.tm	Method	TBLASTX:Maize
Start	2177	End	2392
GI	none	Score	143
Exons	2177..2392, 2177..2392, 2177..2371, 2177..2371, 2181..2390, 2181..2390		

Seq. No.	8726	Seq. ID	OJ991220_11.0120.C3
Gene No.	18574	Strand	-
Start	1670	End	4180
Name	OJ991220_11.0120.C3.o1.gs	Method	GENSCAN
Start	1670	End	4180
GI	none	Score	.77
Exons	1670..4180		

Seq. No.	8726	Seq. ID	OJ991220_11.0120.C3
Gene No.	18574	Strand	-
Start	1670	End	4180
Name	OJ991220_11.0120.C3.o1.np	Method	AAT/NAP
Start	1691	End	4162
GI	1346396	Score	1961
Exons	1691..4162		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384)		

precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]

Seq. No.	8726	Seq. ID	OJ991220_11.0120.C3
Gene No.	18574	Strand	-
Start	1670	End	4180
Name	OJ991220_11.0120.C3.o1.tc	Method	TBLASTX:Cress
Start	1706	End	3916
GI	none	Score	75
Exons	1706..1855, 1946..2071, 1961..2056, 2081..2293, 2087..2263, 2294..2473, 2310..2474, 2493..2528, 3185..3385, 3638..3757, 3806..3916		

Seq. No.	8726	Seq. ID	OJ991220_11.0120.C3
Gene No.	18574	Strand	-
Start	1670	End	4180
Name	OJ991220_11.0120.C3.o1.tm	Method	TBLASTX:Maize
Start	1952	End	2627
GI	none	Score	65
Exons	1952..2062, 2081..2446, 2316..2444, 2456..2536, 2460..2537, 2586..2627		

Seq. No.	8726	Seq. ID	OJ991220_11.0120.C3
Gene No.	18574	Strand	-
Start	1670	End	4180
Name	OJ991220_11.0120.C3.o1.tw	Method	TBLASTX:Wheat
Start	2000	End	2423
GI	none	Score	167
Exons	2000..2287, 2001..2258, 2102..2260, 2291..2422, 2292..2423		

Seq. No.	8726	Seq. ID	OJ991220_11.0120.C3
Gene No.	18574	Strand	-
Start	1670	End	4180
Name	OJ991220_11.0120.C3.o1.ts	Method	TBLASTX:Soybean
Start	2114	End	2551
GI	none	Score	68
Exons	2114..2266, 2143..2244, 2175..2252, 2294..2551, 2304..2534		

Seq. No.	8727	Seq. ID	OJ991220_11.0120.C4
Gene No.	18575	Strand	+
Start	8243	End	9343
Name	OJ991220_11.0120.C4.o2.gs	Method	GENSCAN
Start	8243	End	9343
GI	none	Score	.78
Exons	8243..8300, 8338..8470, 9011..9150, 9297..9343		

Seq. No.	8727	Seq. ID	OJ991220_11.0120.C4
Gene No.	18576	Strand	-
Start	530	End	7681
Name	OJ991220_11.0120.C4.o1.gs	Method	GENSCAN
Start	530	End	7681
GI	none	Score	.53
Exons	530..764, 890..1232, 1268..1811, 1959..2334, 2358..2506, 2934..3166, 3297..3480, 3486..3600, 3714..3911, 4327..4480, 4644..4712, 4943..5012, 5670..6332, 7058..7356, 7602..7681		

Seq. No.	8727	Seq. ID	OJ991220_11.0120.C4
Gene No.	18576	Strand	-
Start	530	End	7681
Name	OJ991220_11.0120.C4.o1.np	Method	AAT/NAP
Start	5668	End	6537
GI	1346396	Score	802
Exons	5668..6537		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	8727	Seq. ID	OJ991220_11.0120.C4
Gene No.	18576	Strand	-
Start	530	End	7681
Name	OJ991220_11.0120.C4.o1.tc	Method	TBLASTX:Cress
Start	5683	End	6546
GI	none	Score	55
Exons	5683..5823, 5689..5808, 5927..6040, 5929..6051, 5937..6068, 6043..6246, 6077..6229, 6274..6453, 6290..6412, 6469..6546		

Seq. No.	8727	Seq. ID	OJ991220_11.0120.C4
Gene No.	18576	Strand	-
Start	530	End	7681
Name	OJ991220_11.0120.C4.o1.ts	Method	TBLASTX:Soybean
Start	5683	End	6510
GI	none	Score	82
Exons	5683..5832, 5927..6052, 5929..6075, 6058..6243, 6074..6223, 6262..6417, 6421..6510		

Seq. No.	8727	Seq. ID	OJ991220_11.0120.C4
Gene No.	18576	Strand	-
Start	530	End	7681
Name	OJ991220_11.0120.C4.o1.tm	Method	TBLASTX:Maize
Start	5915	End	6510
GI	none	Score	76
Exons	5915..6034, 5929..6051, 6058..6240, 6073..6162, 6274..6417, 6281..6412, 6421..6510		

Seq. No.	8727	Seq. ID	OJ991220_11.0120.C4
Gene No.	18576	Strand	-
Start	530	End	7681
Name	OJ991220_11.0120.C4.o1.tw	Method	TBLASTX:Wheat
Start	5977	End	6403
GI	none	Score	165
Exons	5977..6246, 6059..6238, 6090..6245, 6268..6402, 6284..6403, 6284..6403		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18577	Strand	-
Start	2579	End	5065
Name	OJ991220_11.0120.C5.o1.gs	Method	GENSCAN
Start	2579	End	5065

GI	none	Score	.77
Exons	2579..5065		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18577	Strand	-
Start	2579	End	5065
Name	OJ991220_11.0120.C5.o1.np	Method	AAT/NAP
Start	2582	End	5059
GI	1346396	Score	1704
Exons	2582..3647, 3689..5059		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18578	Strand	-
Start	5824	End	6550
Name	OJ991220_11.0120.C5.o1.tc	Method	TBLASTX:Cress
Start	2588	End	4816
GI	none	Score	56
Exons	2588..2737, 2603..2746, 2837..2965, 2838..2963, 2851..2982, 2957..3160, 2990..3139, 3185..3328, 3201..3329, 4082..4282, 4532..4660, 4545..4673, 4706..4816		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18578	Strand	-
Start	5824	End	6550
Name	OJ991220_11.0120.C5.o1.ts	Method	TBLASTX:Soybean
Start	2597	End	3424
GI	none	Score	51
Exons	2597..2746, 2607..2753, 2835..2966, 2843..2989, 2972..3424, 2988..3143		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18578	Strand	-
Start	5824	End	6550
Name	OJ991220_11.0120.C5.o1.tm	Method	TBLASTX:Maize
Start	2829	End	3424
GI	none	Score	76
Exons	2829..2960, 2843..2965, 2972..3424, 2987..3076, 3099..3335		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18578	Strand	-
Start	5824	End	6550
Name	OJ991220_11.0120.C5.o1.tw	Method	TBLASTX:Wheat
Start	2891	End	3314
GI	none	Score	142
Exons	2891..3160, 2915..3145, 2973..3152, 3004..3159, 3182..3313, 3185..3307, 3189..3314, 3195..3314		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18578	Strand	-
Start	5824	End	6550

Name	OJ991220_11.0120.C5.o2.np	Method	AAT/NAP
Start	5812	End	6550
GI	5262797	Score	415
Exons	5812..6550		
GI Descrip.	(AL080282) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18578	Strand	-
Start	5824	End	6550
Name	OJ991220_11.0120.C5.o2.tc	Method	TBLASTX:Cress
Start	5815	End	6300
GI	none	Score	63
Exons	5815..5937, 5822..6109, 5827..6111, 5827..6003, 5935..6006, 5968..6006, 6023..6118, 6121..6210, 6121..6201, 6124..6201, 6196..6300, 6199..6297		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18578	Strand	-
Start	5824	End	6550
Name	OJ991220_11.0120.C5.o2.gs	Method	GENSCAN
Start	5824	End	6537
GI	none	Score	1
Exons	5824..6537		

Seq. No.	8728	Seq. ID	OJ991220_11.0120.C5
Gene No.	18578	Strand	-
Start	5824	End	6550
Name	OJ991220_11.0120.C5.o2.tw	Method	TBLASTX:Wheat
Start	5827	End	6300
GI	none	Score	92
Exons	5827..6111, 5918..6109, 6124..6210, 6223..6300		

Seq. No.	8729	Seq. ID	OJ991220_11.0120.C6
Gene No.	18579	Strand	+
Start	1	End	1825
Name	OJ991220_11.0120.C6.o1.gp	Method	AAT/GAP
Start	1	End	953
GI	LIB3477-011-P1-K1-D4	Score	619
Exons	1..124, 746..953		
GI Descrip.	'1698774/gb|U70311|CVU70311 8.0e-19 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence'		

Seq. No.	8729	Seq. ID	OJ991220_11.0120.C6
Gene No.	18579	Strand	+
Start	1	End	1825
Name	OJ991220_11.0120.C6.o1.np	Method	AAT/NAP
Start	750	End	1614
GI	4153896	Score	203
Exons	750..783, 1006..1290, 1359..1614		
GI Descrip.	(AB022209) ribonucleoprotein F [Rattus norvegicus]		

Seq. No.	8729	Seq. ID	OJ991220_11.0120.C6
Gene No.	18579	Strand	+
Start	1	End	1825
Name	OJ991220_11.0120.C6.o2.gp	Method	AAT/GAP
Start	1312	End	1825

GI	2798881	Score	759
Exons	1312..1825		
GI Descrip.	1698774/gb|U70311|CVU70311 8.0e-19 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence		

Seq. No.	8729	Seq. ID	OJ991220_11.0120.C6
Gene No.	18580	Strand	-
Start	3222	End	3972
Name	OJ991220_11.0120.C6.o1.ts	Method	TBLASTX:Soybean
Start	675	End	1577
GI	none	Score	70
Exons	675..788, 742..786, 786..842, 788..844, 795..845, 991..1254, 992..1270, 998..1270, 999..1289, 1359..1439, 1452..1577		

Seq. No.	8729	Seq. ID	OJ991220_11.0120.C6
Gene No.	18580	Strand	-
Start	3222	End	3972
Name	OJ991220_11.0120.C6.o1.tm	Method	TBLASTX:Maize
Start	740	End	1705
GI	none	Score	104
Exons	740..808, 744..806, 775..807, 791..1627, 803..880, 804..1628, 804..1631, 811..1704, 1343..1705		

Seq. No.	8729	Seq. ID	OJ991220_11.0120.C6
Gene No.	18580	Strand	-
Start	3222	End	3972
Name	OJ991220_11.0120.C6.o1.tc	Method	TBLASTX:Cress
Start	789	End	1220
GI	none	Score	62
Exons	789..842, 999..1166, 1001..1165, 1188..1220, 1190..1219		

Seq. No.	8729	Seq. ID	OJ991220_11.0120.C6
Gene No.	18580	Strand	-
Start	3222	End	3972
Name	OJ991220_11.0120.C6.o2.gs	Method	GENSCAN
Start	3222	End	3972
GI	none	Score	.83
Exons	3222..3413, 3907..3972		

Seq. No.	8730	Seq. ID	OJ991220_11.0120.C7
Gene No.	18581	Strand	+
Start	58	End	529
Name	OJ991220_11.0120.C7.o1.gs	Method	GENSCAN
Start	58	End	529
GI	none	Score	.81
Exons	58..385, 513..529		

Seq. No.	8731	Seq. ID	OJ991220_11.0120.C8
Gene No.	18582	Strand	+
Start	2407	End	4892
Name	OJ991220_11.0120.C8.o1.gs	Method	GENSCAN
Start	2407	End	4488
GI	none	Score	.64
Exons	2407..4488		

Seq. No.	8731	Seq. ID	OJ991220_11.0120.C8

Gene No.	18582	Strand	+
Start	2407	End	4892
Name	OJ991220_11.0120.C8.o1.np	Method	AAT/NAP
Start	2419	End	4892
GI	1346396	Score	1858
Exons	2419..4892		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	8731	Seq. ID	OJ991220_11.0120.C8
Gene No.	18582	Strand	+
Start	2407	End	4892
Name	OJ991220_11.0120.C8.o1.tc	Method	TBLASTX:Cress
Start	2815	End	4877
GI	none	Score	91
Exons	2815..2919, 2968..2991, 3205..3405, 3994..4095, 4111..4290, 4161..4274, 4300..4458, 4338..4409, 4455..4502, 4512..4637, 4520..4636, 4665..4712, 4749..4877, 4821..4877		

Seq. No.	8731	Seq. ID	OJ991220_11.0120.C8
Gene No.	18582	Strand	+
Start	2407	End	4892
Name	OJ991220_11.0120.C8.o1.ts	Method	TBLASTX:Soybean
Start	4033	End	4458
GI	none	Score	286
Exons	4033..4290, 4042..4278, 4306..4458, 4318..4440, 4340..4441		

Seq. No.	8731	Seq. ID	OJ991220_11.0120.C8
Gene No.	18582	Strand	+
Start	2407	End	4892
Name	OJ991220_11.0120.C8.o1.tm	Method	TBLASTX:Maize
Start	4048	End	4646
GI	none	Score	91
Exons	4048..4128, 4141..4458, 4446..4502, 4515..4646, 4526..4645		

Seq. No.	8731	Seq. ID	OJ991220_11.0120.C8
Gene No.	18582	Strand	+
Start	2407	End	4892
Name	OJ991220_11.0120.C8.o1.tw	Method	TBLASTX:Wheat
Start	4161	End	4583
GI	none	Score	81
Exons	4161..4232, 4162..4293, 4162..4278, 4318..4458, 4324..4440, 4448..4582, 4449..4583		

Seq. No.	8731	Seq. ID	OJ991220_11.0120.C8
Gene No.	18582	Strand	+
Start	2407	End	4892
Name	OJ991220_11.0120.C8.o2.ts	Method	TBLASTX:Soybean
Start	4515	End	4877
GI	none	Score	121
Exons	4515..4643, 4526..4642, 4725..4877		

Seq. No.	8732	Seq. ID	OJ991220_11.0120.C9
Gene No.	18583	Strand	+
Start	592	End	2257
Name	OJ991220_11.0120.C9.o1.gs	Method	GENSCAN
Start	592	End	2257
GI	none	Score	.42
Exons	592..766, 940..1356, 1540..1570, 1849..1877, 2132..2257		

Seq. No.	8732	Seq. ID	OJ991220_11.0120.C9
Gene No.	18584	Strand	+
Start	4520	End	7560
Name	OJ991220_11.0120.C9.o2.gs	Method	GENSCAN
Start	4520	End	7560
GI	none	Score	.79
Exons	4520..4667, 5195..5285, 5709..5802, 6486..6569, 6843..6915, 7073..7274, 7383..7560		

Seq. No.	8732	Seq. ID	OJ991220_11.0120.C9
Gene No.	18585	Strand	+
Start	8183	End	18751
Name	OJ991220_11.0120.C9.o3.gs	Method	GENSCAN
Start	8183	End	18751
GI	none	Score	.57
Exons	8183..8378, 8404..8512, 8607..8908, 9083..9851, 9978..10434, 10585..10921, 11076..11284, 11319..11443, 12171..12419, 12450..12567, 13020..13307, 13533..13684, 13959..14565, 14940..15086, 15359..15454, 17113..17336, 17503..17563, 17621..18751		

Seq. No.	8732	Seq. ID	OJ991220_11.0120.C9
Gene No.	18585	Strand	+
Start	8183	End	18751
Name	OJ991220_11.0120.C9.o1.np	Method	AAT/NAP
Start	12480	End	14625
GI	629693	Score	295
Exons	12480..13250, 14596..14625		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	8732	Seq. ID	OJ991220_11.0120.C9
Gene No.	18585	Strand	+
Start	8183	End	18751
Name	OJ991220_11.0120.C9.o1.ts	Method	TBLASTX:Soybean
Start	12624	End	13010
GI	none	Score	189
Exons	12624..13010, 12716..12910		

Seq. No.	8732	Seq. ID	OJ991220_11.0120.C9
Gene No.	18585	Strand	+
Start	8183	End	18751
Name	OJ991220_11.0120.C9.o1.gp	Method	AAT/GAP
Start	15517	End	15585
GI	572383	Score	82
Exons	15517..15585		
GI Descrip.	2244771/emb|CAB10194.1| 1.0e-51 (Z97335) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18586	Strand	+
Start	1	End	9865
Name	OJ991220_11.0120.C11.o1.np	Method	AAT/NAP
Start	1	End	2095
GI	5902385	Score	216
Exons	1..112, 877..991, 1630..1807, 1865..2095		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18586	Strand	+
Start	1	End	9865
Name	OJ991220_11.0120.C11.o2.np	Method	AAT/NAP
Start	1	End	5599
GI	4680183	Score	193
Exons	1..113, 2377..2484, 4806..4903, 5510..5599		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18586	Strand	+
Start	1	End	9865
Name	OJ991220_11.0120.C11.o1.gs	Method	GENSCAN
Start	48	End	2098
GI	none	Score	.59
Exons	48..158, 890..991, 1601..2098		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18586	Strand	+
Start	1	End	9865
Name	OJ991220_11.0120.C11.o4.np	Method	AAT/NAP
Start	3306	End	9865
GI	3128169	Score	131
Exons	3306..3340, 7556..7617, 8405..8546, 9488..9865		
GI Descrip.	(AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18586	Strand	+
Start	1	End	9865
Name	OJ991220_11.0120.C11.o3.np	Method	AAT/NAP
Start	4759	End	9252
GI	6815109	Score	68
Exons	4759..4807, 6314..6876, 9221..9252		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18586	Strand	+
Start	1	End	9865
Name	OJ991220_11.0120.C11.o3.gp	Method	AAT/GAP
Start	7546	End	8055
GI	5867_1.R1084	Score	113
Exons	7546..7569, 7967..8055		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639)		

ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18587	Strand	+
Start	11431	End	12547
Name	OJ991220_11.0120.C11.o5.np	Method	AAT/NAP
Start	11431	End	12547
GI	6692684	Score	516
Exons	11431..12547		
GI Descrip.	(AC007592) F12K11.21 [Arabidopsis thaliana]		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18588	Strand	+
Start	14724	End	16024
Name	OJ991220_11.0120.C11.o6.np	Method	AAT/NAP
Start	14724	End	16024
GI	1346396	Score	1304
Exons	14724..16024		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18589	Strand	-
Start	3212	End	3777
Name	OJ991220_11.0120.C11.o1.gp	Method	AAT/GAP
Start	2993	End	3756
GI	35428_1.R1084	Score	1072
Exons	2993..3468, 3592..3647, 3720..3756		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18589	Strand	-
Start	3212	End	3777
Name	OJ991220_11.0120.C11.o2.gs	Method	GENSCAN
Start	3212	End	3777
GI	none	Score	.71
Exons	3212..3223, 3303..3437, 3592..3647, 3720..3777		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18590	Strand	-
Start	4228	End	4551
Name	OJ991220_11.0120.C11.o3.gs	Method	GENSCAN
Start	4228	End	4551
GI	none	Score	.8
Exons	4228..4551		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18591	Strand	-
Start	6308	End	7368
Name	OJ991220_11.0120.C11.o2.gp	Method	AAT/GAP

Start	5961	End	6032
GI	1631463	Score	76
Exons	5961..6032		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18591	Strand	-
Start	6308	End	7368
Name	OJ991220_11.0120.C11.o4.gs	Method	GENSCAN
Start	6308	End	7368
GI	none	Score	.9
Exons	6308..6617, 6662..6753, 7258..7368		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18592	Strand	
Start	11697	End	12499
Name	OJ991220_11.0120.C11.o1.ts	Method	TBLASTX:Soybean
Start	11697	End	12499
GI	none	Score	414
Exons	11697..12140, 11699..11758, 11810..12145, 12126..12197, 12215..12499, 12223..12498		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18592	Strand	
Start	11697	End	12499
Name	OJ991220_11.0120.C11.o1.tm	Method	TBLASTX:Maize
Start	12214	End	12487
GI	none	Score	204
Exons	12214..12483, 12215..12487		

Seq. No.	8733	Seq. ID	OJ991220_11.0120.C11
Gene No.	18592	Strand	
Start	11697	End	12499
Name	OJ991220_11.0120.C11.o1.tc	Method	TBLASTX:Cress
Start	12223	End	12487
GI	none	Score	207
Exons	12223..12291, 12224..12487		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18593	Strand	+
Start	644	End	14015
Name	OJ991220_11.0120.C12.o1.gs	Method	GENSCAN
Start	644	End	10975
GI	none	Score	.61
Exons	644..761, 935..993, 1706..1982, 2039..2178, 3239..3295, 4393..4435, 4785..4841, 4917..5169, 5174..5310, 6251..6450, 6600..6721, 7179..7238, 8195..8311, 8432..8551, 8651..8792, 8909..9085, 9223..9485, 9628..9860, 10193..10463, 10579..10975		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18593	Strand	+
Start	644	End	14015
Name	OJ991220_11.0120.C12.o1.gp	Method	AAT/GAP
Start	1786	End	2279
GI	4715860	Score	928

Exons	1786..2279		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18593	Strand	+
Start	644	End	14015
Name	OJ991220_11.0120.C12.o2.gp	Method	AAT/GAP
Start	6177	End	6678
GI	none	Score	530
Exons	6177..6450, 6600..6678		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18593	Strand	+
Start	644	End	14015
Name	OJ991220_11.0120.C12.o2.np	Method	AAT/NAP
Start	6606	End	10953
GI	2160178	Score	1457
Exons	6606..6722, 7179..7238, 8195..8311, 8432..8551, 8651..8792, 8909..9085, 9223..9485, 9628..9860, 10193..10463, 10579..10953		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18593	Strand	+
Start	644	End	14015
Name	OJ991220_11.0120.C12.o3.np	Method	AAT/NAP
Start	10544	End	14015
GI	5107813	Score	81
Exons	10544..10666, 13216..13302, 13910..14015		
GI Descrip.	(AF149413) contains similarity to number of Arabidopsis thaliana hypothetical proteins including AC004521 and AL031326		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18594	Strand	-
Start	4626	End	5086
Name	OJ991220_11.0120.C12.o1.np	Method	AAT/NAP
Start	4626	End	5086
GI	4680502	Score	136
Exons	4626..4765, 4972..5086		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18595	Strand	-
Start	11665	End	11964
Name	OJ991220_11.0120.C12.o2.ts	Method	TBLASTX:Soybean
Start	6599	End	9043
GI	none	Score	118
Exons	6599..6724, 6600..6725, 8187..8276, 8289..8315, 8445..8552, 8648..8788, 8649..8789, 8652..8795, 8909..8932, 8948..8983, 8987..9043		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18595	Strand	-
Start	11665	End	11964
Name	OJ991220_11.0120.C12.o1.tc	Method	TBLASTX:Cress
Start	9773	End	10392
GI	none	Score	60
Exons	9773..9820, 9815..9862, 10227..10325, 10228..10311, 10339..10392, 10341..10391		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18595	Strand	-
Start	11665	End	11964
Name	OJ991220_11.0120.C12.o1.tm	Method	TBLASTX:Maize
Start	9806	End	10443
GI	none	Score	76
Exons	9806..9862, 10187..10303, 10188..10331, 10190..10390, 10191..10442, 10192..10443, 10399..10443		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18595	Strand	-
Start	11665	End	11964
Name	OJ991220_11.0120.C12.o1.ts	Method	TBLASTX:Soybean
Start	10216	End	10795
GI	none	Score	176
Exons	10216..10335, 10218..10337, 10341..10466, 10342..10464, 10577..10675, 10739..10795		

Seq. No.	8734	Seq. ID	OJ991220_11.0120.C12
Gene No.	18595	Strand	-
Start	11665	End	11964
Name	OJ991220_11.0120.C12.o2.gs	Method	GENSCAN
Start	11665	End	11964
GI	none	Score	.67
Exons	11665..11964		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18596	Strand	+
Start	6397	End	8757
Name	OJ991220_11.0120.C13.o2.gs	Method	GENSCAN
Start	6397	End	8679
GI	none	Score	.63
Exons	6397..6486, 6591..6770, 6980..7318, 8118..8351, 8533..8679		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18596	Strand	+
Start	6397	End	8757
Name	OJ991220_11.0120.C13.o2.np	Method	AAT/NAP
Start	6430	End	8757
GI	6911863	Score	883
Exons	6430..6486, 6591..6751, 6980..7318, 8118..8351, 8554..8757		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18597	Strand	-
Start	1	End	3819
Name	OJ991220_11.0120.C13.o1.np	Method	AAT/NAP
Start	1	End	3669
GI	3876197	Score	724
Exons	1..96, 220..547, 852..1130, 1581..1755, 2107..2206, 2749..2937, 3469..3669		
GI Descrip.	(Z68336) predicted using Genefinder; Similarity to Human glucosamin-fructose-6-phosphate aminotransferase (SW:GFAT_HUMAN); cDNA EST EMBL:Z14705 comes from this gene; cDNA EST EMBL:D32748 comes from this gene; cDNA EST EMBL:D3...		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18597	Strand	-
Start	1	End	3819
Name	OJ991220_11.0120.C13.o1.gs	Method	GENSCAN
Start	220	End	3669
GI	none	Score	.93
Exons	220..547, 852..1013, 1616..1755, 2095..2206, 2749..2921, 3417..3669		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18597	Strand	-
Start	1	End	3819
Name	OJ991220_11.0120.C13.o1.gp	Method	AAT/GAP
Start	3519	End	3819
GI	5005349	Score	496
Exons	3519..3819		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18598	Strand	-
Start	4274	End	4547
Name	OJ991220_11.0120.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	966
GI	none	Score	145
Exons	1..96, 1..96, 2..97, 2..97, 212..313, 213..332, 217..327, 279..548, 322..549, 331..549, 350..562, 350..553, 850..963, 851..964, 852..965, 852..965, 883..966		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18598	Strand	-
Start	4274	End	4547
Name	OJ991220_11.0120.C13.o2.ts	Method	TBLASTX:Soybean
Start	2	End	421
GI	none	Score	96
Exons	2..97, 3..98, 212..313, 215..310, 217..327, 219..329, 354..419, 371..421, 374..421		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18598	Strand	-
Start	4274	End	4547
Name	OJ991220_11.0120.C13.o3.tm	Method	TBLASTX:Maize
Start	2743	End	4547
GI	none	Score	53
Exons	2743..2784, 2748..2813, 2783..2827, 2785..2826, 2811..2921, 2812..2928, 2814..2921, 2828..2926, 3416..3454, 3417..3455, 3418..3483, 3419..3484, 3452..3484, 3550..3669, 3615..3671, 3623..3670, 4416..4547		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18598	Strand	-
Start	4274	End	4547
Name	OJ991220_11.0120.C13.o3.ts	Method	TBLASTX:Soybean
Start	3421	End	3675
GI	none	Score	191
Exons	3421..3477, 3550..3675		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18598	Strand	-

Start	4274	End	4547
Name	OJ991220_11.0120.C13.o2.gp	Method	AAT/GAP
Start	4274	End	4406
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	4274..4406		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18599	Strand	
Start	6444	End	8682
Name	OJ991220_11.0120.C13.o2.tm	Method	TBLASTX:Maize
Start	6444	End	8682
GI	none	Score	45
Exons	6444..6488, 6593..6682, 6594..6683, 6995..7066, 6996..7067, 7142..7318, 7148..7318, 7162..7323, 8118..8351, 8228..8347, 8551..8589, 8593..8682		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18599	Strand	
Start	6444	End	8682
Name	OJ991220_11.0120.C13.o1.tc	Method	TBLASTX:Cress
Start	6457	End	8201
GI	none	Score	47
Exons	6457..6489, 6591..6683, 6995..7057, 7002..7064, 7041..7064, 7135..7317, 7136..7318, 7136..7318, 8118..8201		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18599	Strand	
Start	6444	End	8682
Name	OJ991220_11.0120.C13.o1.ts	Method	TBLASTX:Soybean
Start	6594	End	8682
GI	none	Score	76
Exons	6594..6683, 6996..7064, 7112..7318, 7129..7323, 8118..8351, 8231..8362, 8551..8589, 8593..8682		

Seq. No.	8735	Seq. ID	OJ991220_11.0120.C13
Gene No.	18599	Strand	
Start	6444	End	8682
Name	OJ991220_11.0120.C13.o1.tw	Method	TBLASTX:Wheat
Start	6996	End	7323
GI	none	Score	82
Exons	6996..7067, 7145..7312, 7151..7312, 7158..7313, 7165..7323		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18600	Strand	+
Start	115	End	356
Name	OJ991220_11.0120.C14.o1.gs	Method	GENSCAN
Start	115	End	356
GI	none	Score	.46
Exons	115..356		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18601	Strand	+
Start	3056	End	4438
Name	OJ991220_11.0120.C14.o3.gs	Method	GENSCAN
Start	3056	End	4438

GI	none	Score	.73
Exons	3056..3113, 3175..3263, 3388..3543, 3679..3805, 4431..4438		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18602	Strand	+
Start	10294	End	10903
Name	OJ991220_11.0120.C14.o5.gs	Method	GENSCAN
Start	10294	End	10903
GI	none	Score	.66
Exons	10294..10350, 10604..10903		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18603	Strand	+
Start	13347	End	14929
Name	OJ991220_11.0120.C14.o7.gs	Method	GENSCAN
Start	13347	End	14929
GI	none	Score	.49
Exons	13347..13565, 13608..14004, 14092..14581, 14614..14929		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18603	Strand	+
Start	13347	End	14929
Name	OJ991220_11.0120.C14.o2.np	Method	AAT/NAP
Start	13692	End	14234
GI	3248995	Score	818
Exons	13692..14234		
GI Descrip.	(AF067193) putative resistance protein [Oryza sativa]		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18604	Strand	-
Start	735	End	1870
Name	OJ991220_11.0120.C14.o1.gp	Method	AAT/GAP
Start	735	End	1663
GI	none	Score	831
Exons	735..1025, 1360..1663		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18604	Strand	-
Start	735	End	1870
Name	OJ991220_11.0120.C14.o2.gs	Method	GENSCAN
Start	912	End	1870
GI	none	Score	.91
Exons	912..1025, 1360..1658, 1864..1870		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18605	Strand	-
Start	4656	End	8957
Name	OJ991220_11.0120.C14.o1.np	Method	AAT/NAP
Start	4648	End	8957
GI	3894159	Score	393
Exons	4648..4846, 4874..5103, 5327..5445, 8582..8957		
GI Descrip.	(AC005312) lectin-like protein [Arabidopsis thaliana]		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18605	Strand	-
Start	4656	End	8957
Name	OJ991220_11.0120.C14.o4.gs	Method	GENSCAN

Start	4656	End	8923
GI	none	Score	.91
Exons	4656..5103, 6295..6329, 8582..8923		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18605	Strand	-
Start	4656	End	8957
Name	OJ991220_11.0120.C14.o3.gp	Method	AAT/GAP
Start	5357	End	8942
GI	53165_1.R1084	Score	822
Exons	5357..5445, 8582..8942		
GI Descrip.	'3894168 8.0e-14 (AC005312) similar to phloem-specific lectin [Arabidopsis thaliana]'		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18606	Strand	-
Start	11866	End	12340
Name	OJ991220_11.0120.C14.o2.tm	Method	TBLASTX:Maize
Start	863	End	1050
GI	none	Score	73
Exons	863..904, 900..1043, 912..1043, 913..1050, 913..1044		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18606	Strand	-
Start	11866	End	12340
Name	OJ991220_11.0120.C14.o3.ts	Method	TBLASTX:Soybean
Start	4725	End	5093
GI	4396153	Score	130
Exons	4725..4859, 4908..5093		
GI Descrip.	3249107 2.0e-22 (AC003114) Contains similarity to phloem-specific lectin PP2 gb_Z17331 from Cucubita maxima. [Arabidopsis thaliana]		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18606	Strand	-
Start	11866	End	12340
Name	OJ991220_11.0120.C14.o2.ts	Method	TBLASTX:Soybean
Start	5326	End	8827
GI	none	Score	103
Exons	5326..5448, 8579..8644, 8636..8827, 8682..8825		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18606	Strand	-
Start	11866	End	12340
Name	OJ991220_11.0120.C14.o1.tw	Method	TBLASTX:Wheat
Start	8652	End	8828
GI	none	Score	121
Exons	8652..8828, 8660..8827		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18606	Strand	-
Start	11866	End	12340
Name	OJ991220_11.0120.C14.o6.gs	Method	GENSCAN
Start	11866	End	12340
GI	none	Score	.91
Exons	11866..11937, 12227..12340		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18607	Strand	
Start	14169	End	14560
Name	OJ991220_11.0120.C14.o1.tm	Method	TBLASTX:Maize
Start	14169	End	14474
GI	none	Score	237
Exons	14169..14474, 14198..14257, 14306..14470		

Seq. No.	8736	Seq. ID	OJ991220_11.0120.C14
Gene No.	18607	Strand	
Start	14169	End	14560
Name	OJ991220_11.0120.C14.o1.ts	Method	TBLASTX:Soybean
Start	14198	End	14560
GI	none	Score	242
Exons	14198..14470, 14199..14489, 14498..14560		

Seq. No.	8737	Seq. ID	OJ991220_11.0120.C15
Gene No.	18608	Strand	+
Start	387	End	921
Name	OJ991220_11.0120.C15.o1.gp	Method	AAT/GAP
Start	387	End	921
GI	none	Score	1062
Exons	387..921		

Seq. No.	8737	Seq. ID	OJ991220_11.0120.C15
Gene No.	18609	Strand	+
Start	6894	End	7354
Name	OJ991220_11.0120.C15.o3.gs	Method	GENSCAN
Start	6894	End	7354
GI	none	Score	.76
Exons	6894..6953, 7145..7354		

Seq. No.	8737	Seq. ID	OJ991220_11.0120.C15
Gene No.	18610	Strand	+
Start	8279	End	11969
Name	OJ991220_11.0120.C15.o1.np	Method	AAT/NAP
Start	8264	End	11960
GI	4680204	Score	954
Exons	8264..9672, 9764..10863, 10952..11125, 11215..11350, 11752..11960		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8737	Seq. ID	OJ991220_11.0120.C15
Gene No.	18610	Strand	+
Start	8279	End	11969
Name	OJ991220_11.0120.C15.o4.gs	Method	GENSCAN
Start	8279	End	11969
GI	none	Score	.47
Exons	8279..8637, 8694..9444, 9478..9552, 9743..9957, 10216..10863, 10952..11125, 11215..11325, 11426..11450, 11594..11695, 11790..11969		

Seq. No.	8737	Seq. ID	OJ991220_11.0120.C15
Gene No.	18611	Strand	-
Start	1304	End	1728
Name	OJ991220_11.0120.C15.o2.gp	Method	AAT/GAP
Start	1304	End	1728

GI	none	Score	850
Exons	1304..1728		

Seq. No.	8737	Seq. ID	OJ991220_11.0120.C15
Gene No.	18612	Strand	-
Start	2873	End	5383
Name	OJ991220_11.0120.C15.o2.gs	Method	GENSCAN
Start	2873	End	5383
GI	none	Score	.68
Exons	2873..3501, 3803..4165, 4285..4522, 4607..5106, 5197..5383		

Seq. No.	8737	Seq. ID	OJ991220_11.0120.C15
Gene No.	18613	Strand	
Start	8881	End	9282
Name	OJ991220_11.0120.C15.o1.tw	Method	TBLASTX:Wheat
Start	8881	End	9282
GI	none	Score	218
Exons	8881..9117, 8881..9030, 8982..9122, 9112..9282, 9165..9281		

Seq. No.	8737	Seq. ID	OJ991220_11.0120.C15
Gene No.	18614	Strand	
Start	10932	End	11293
Name	OJ991220_11.0120.C15.o2.tw	Method	TBLASTX:Wheat
Start	10932	End	11293
GI	none	Score	146
Exons	10932..11138, 10950..11135, 11212..11286, 11213..11293		

Seq. No.	8738	Seq. ID	OJ991210_11.0121.C2
Gene No.	18615	Strand	+
Start	1	End	151
Name	OJ991210_11.0121.C2.o1.gp	Method	AAT/GAP
Start	1	End	151
GI	1765_3.R1084	Score	267
Exons	1..151		
GI Descrip.	'4512675/gb|AAD21729.1| 1.0e-154 (AC006931) putative citrate synthase [Arabidopsis thaliana]'		

Seq. No.	8739	Seq. ID	OJ991210_11.0121.C3
Gene No.	18616	Strand	+
Start	3068	End	3527
Name	OJ991210_11.0121.C3.o1.gs	Method	GENSCAN
Start	3068	End	3527
GI	none	Score	.94
Exons	3068..3200, 3496..3527		

Seq. No.	8739	Seq. ID	OJ991210_11.0121.C3
Gene No.	18617	Strand	-
Start	3807	End	4141
Name	OJ991210_11.0121.C3.o2.gs	Method	GENSCAN
Start	3807	End	4141
GI	none	Score	.84
Exons	3807..4141		

Seq. No.	8740	Seq. ID	OJ991210_11.0121.C4
Gene No.	18618	Strand	+
Start	303	End	2351
Name	OJ991210_11.0121.C4.o1.gs	Method	GENSCAN

Start	303	End	1876
GI	none	Score	.8
Exons	303..504, 638..709, 788..897, 926..1007, 1433..1564, 1870..1876		

Seq. No.	8740	Seq. ID	OJ991210_11.0121.C4
Gene No.	18618	Strand	+
Start	303	End	2351
Name	OJ991210_11.0121.C4.o1.tm	Method	TBLASTX:Maize
Start	788	End	2351
GI	none	Score	115
Exons	788..880, 788..856, 790..873, 886..1008, 936..1013, 936..1007, 1494..1574, 1497..1562, 1498..1572, 1498..1575, 1990..2067, 1992..2060, 1999..2067, 2000..2068, 2142..2216, 2143..2214, 2324..2350, 2325..2351		

Seq. No.	8741	Seq. ID	OJ991210_11.0121.C5
Gene No.	18619	Strand	+
Start	1668	End	5812
Name	OJ991210_11.0121.C5.o1.np	Method	AAT/NAP
Start	1668	End	5812
GI	5262765	Score	172
Exons	1668..1721, 3647..3979, 5593..5649, 5774..5812		
GI Descrip.	(AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	8741	Seq. ID	OJ991210_11.0121.C5
Gene No.	18620	Strand	-
Start	9861	End	11210
Name	OJ991210_11.0121.C5.o2.gs	Method	GENSCAN
Start	9861	End	11210
GI	none	Score	.88
Exons	9861..10009, 11162..11210		

Seq. No.	8742	Seq. ID	OJ991210_11.0121.C6
Gene No.	18621	Strand	-
Start	3650	End	6834
Name	OJ991210_11.0121.C6.o1.np	Method	AAT/NAP
Start	3650	End	6834
GI	84041	Score	114
Exons	3650..4312, 6437..6834		
GI Descrip.	hypothetical protein 6 - Trypanosoma brucei mitochondrion (SGC6)		

Seq. No.	8743	Seq. ID	OJ991210_11.0121.C9
Gene No.	18622	Strand	+
Start	1477	End	1806
Name	OJ991210_11.0121.C9.o1.gs	Method	GENSCAN
Start	1477	End	1806
GI	none	Score	.7
Exons	1477..1806		

Seq. No.	8744	Seq. ID	OJ991210_11.0121.C10
Gene No.	18623	Strand	-
Start	89	End	2521
Name	OJ991210_11.0121.C10.o1.gs	Method	GENSCAN
Start	89	End	2521
GI	none	Score	.6
Exons	89..169, 2061..2125, 2483..2521		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18624	Strand	+
Start	8948	End	14762
Name	OJ991210_11.0121.C11.o1.np	Method	AAT/NAP
Start	8948	End	11071
GI	6069657	Score	195
Exons	8948..9077, 9146..9381, 10713..10883, 11016..11071		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18624	Strand	+
Start	8948	End	14762
Name	OJ991210_11.0121.C11.o2.gs	Method	GENSCAN
Start	8948	End	14762
GI	none	Score	.8
Exons	8948..9119, 10564..10817, 11247..12119, 12941..13141, 13240..13435, 14572..14762		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18624	Strand	+
Start	8948	End	14762
Name	OJ991210_11.0121.C11.o2.np	Method	AAT/NAP
Start	12415	End	14722
GI	6321137	Score	269
Exons	12415..12493, 12960..13141, 13240..13435, 14572..14722		
GI Descrip.	Yfr024c-ap gi|1362490|pir||S58653 hypothetical protein YFR024c-a - yeast (Saccharomyces cerevisiae)		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18625	Strand	+
Start	23511	End	24349
Name	OJ991210_11.0121.C11.o4.gs	Method	GENSCAN
Start	23511	End	24349
GI	none	Score	.58
Exons	23511..23628, 24255..24349		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18626	Strand	+
Start	38142	End	39804
Name	OJ991210_11.0121.C11.o6.np	Method	AAT/NAP
Start	38142	End	39804
GI	5903071	Score	169
Exons	38142..38445, 39698..39804		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18627	Strand	+
Start	45699	End	46192
Name	OJ991210_11.0121.C11.o4.gp	Method	AAT/GAP
Start	45699	End	46192
GI	576771	Score	801
Exons	45699..45911, 45938..46192		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18628	Strand	-

Start	11243	End	11435
Name	OJ991210_11.0121.C11.o2.gp	Method	AAT/GAP
Start	11243	End	11435
GI	2310984	Score	276
Exons	11243..11435		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18629	Strand	-
Start	16511	End	19580
Name	OJ991210_11.0121.C11.o3.gs	Method	GENSCAN
Start	16511	End	19580
GI	none	Score	.77
Exons	16511..17014, 17059..17340, 19359..19580		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18629	Strand	-
Start	16511	End	19580
Name	OJ991210_11.0121.C11.o3.np	Method	AAT/NAP
Start	16523	End	19574
GI	2832617	Score	610
Exons	16523..16837, 17005..17103, 17137..17340, 19359..19574		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18630	Strand	-
Start	24708	End	25903
Name	OJ991210_11.0121.C11.o5.gs	Method	GENSCAN
Start	24708	End	25903
GI	none	Score	.75
Exons	24708..24755, 25262..25503, 25696..25903		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18631	Strand	-
Start	26709	End	30515
Name	OJ991210_11.0121.C11.o4.np	Method	AAT/NAP
Start	26628	End	30515
GI	6539553	Score	6375
Exons	26628..30515		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18631	Strand	-
Start	26709	End	30515
Name	OJ991210_11.0121.C11.o6.gs	Method	GENSCAN
Start	26709	End	30389
GI	none	Score	.48
Exons	26709..27416, 27724..28005, 28047..29527, 29663..30389		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18632	Strand	-
Start	30743	End	36071
Name	OJ991210_11.0121.C11.o7.gs	Method	GENSCAN
Start	30743	End	36071
GI	none	Score	.4

Exons	30743..30954, 31147..31293, 33079..33256, 35018..35413, 35976..36071		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18632	Strand	-
Start	30743	End	36071
Name	OJ991210_11.0121.C11.o3.gp	Method	AAT/GAP
Start	34635	End	35018
GI	3769093	Score	714
Exons	34635..35018		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18632	Strand	-
Start	30743	End	36071
Name	OJ991210_11.0121.C11.o5.np	Method	AAT/NAP
Start	34976	End	35335
GI	6136502	Score	424
Exons	34976..35335		
GI Descrip.	YCF20-LIKE PROTEIN gi|3335348 (AC004512) T8F5.20 [Arabidopsis thaliana]		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18633	Strand	-
Start	47711	End	49603
Name	OJ991210_11.0121.C11.o9.gs	Method	GENSCAN
Start	47711	End	49603
GI	none	Score	.67
Exons	47711..47932, 48948..49449, 49581..49603		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18634	Strand	-
Start	50171	End	54457
Name	OJ991210_11.0121.C11.o10.gs	Method	GENSCAN
Start	50171	End	54457
GI	none	Score	.56
Exons	50171..50850, 50901..51122, 51717..52208, 52720..53263, 53620..53711, 54016..54457		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18634	Strand	-
Start	50171	End	54457
Name	OJ991210_11.0121.C11.o7.np	Method	AAT/NAP
Start	51583	End	53742
GI	4538896	Score	1646
Exons	51583..52616, 52678..53198, 53307..53742		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o1.tc	Method	TBLASTX:Cress
Start	11364	End	11885
GI	none	Score	184
Exons	11364..11531, 11375..11449, 11529..11885, 11567..11884		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-

Start	56571	End	57013
Name	OJ991210_11.0121.C11.o6.tm	Method	TBLASTX:Maize
Start	11398	End	11705
GI	none	Score	265
Exons	11398..11514, 11400..11570, 11403..11576, 11576..11632, 11577..11633, 11657..11704, 11661..11705		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o3.ts	Method	TBLASTX:Soybean
Start	11690	End	12017
GI	none	Score	171
Exons	11690..12007, 11691..11834, 11694..12014, 11871..12017		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o10.tm	Method	TBLASTX:Maize
Start	11712	End	12053
GI	none	Score	260
Exons	11712..12053, 11720..11938, 11830..12027, 11972..12052		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o1.ts	Method	TBLASTX:Soybean
Start	12017	End	13440
GI	none	Score	112
Exons	12017..12091, 12018..12122, 12934..13140, 12938..13141, 12988..13143, 13236..13436, 13237..13440		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o6.tw	Method	TBLASTX:Wheat
Start	12027	End	13275
GI	none	Score	94
Exons	12027..12122, 12934..13137, 12937..13122, 12938..13144, 13237..13275, 13239..13274		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o2.tm	Method	TBLASTX:Maize
Start	12054	End	13451
GI	none	Score	93
Exons	12054..12122, 12938..13141, 12940..13140, 13041..13148, 13217..13324, 13230..13451, 13235..13375, 13236..13436, 13237..13443		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o12.tm	Method	TBLASTX:Maize
Start	14588	End	14778
GI	none	Score	213

Exons	14588..14755, 14589..14738, 14596..14778		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o11.tm	Method	TBLASTX:Maize
Start	19359	End	19553
GI	none	Score	232
Exons	19359..19553		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o3.tc	Method	TBLASTX:Cress
Start	19359	End	19553
GI	none	Score	91
Exons	19359..19553, 19360..19467		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o6.ts	Method	TBLASTX:Soybean
Start	19359	End	19502
GI	none	Score	83
Exons	19359..19502, 19360..19467		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o2.tw	Method	TBLASTX:Wheat
Start	26764	End	27240
GI	none	Score	353
Exons	26764..27150, 26765..27148, 26802..27149, 27159..27239, 27165..27239, 27169..27240		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o8.ts	Method	TBLASTX:Soybean
Start	26892	End	27233
GI	none	Score	84
Exons	26892..27101, 26913..27089, 26971..27096, 27120..27233, 27127..27207		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o9.tm	Method	TBLASTX:Maize
Start	27096	End	27428
GI	none	Score	195
Exons	27096..27428, 27097..27420, 27138..27428		
Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o7.ts	Method	TBLASTX:Soybean
Start	27246	End	27577

GI	none	Score	56
Exons	27246..27497, 27391..27510, 27484..27576, 27503..27577		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o3.tw	Method	TBLASTX:Wheat
Start	27484	End	27975
GI	none	Score	59
Exons	27484..27636, 27631..27975, 27845..27958		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o5.tm	Method	TBLASTX:Maize
Start	27511	End	27976
GI	none	Score	55
Exons	27511..27975, 27614..27724, 27794..27976		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o2.ts	Method	TBLASTX:Soybean
Start	27646	End	28109
GI	5509260	Score	58
Exons	27646..28017, 27665..27724, 27797..28015, 28032..28109		
GI Descrip.	-		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o2.tc	Method	TBLASTX:Cress
Start	27757	End	28017
GI	none	Score	120
Exons	27757..28017, 27839..28015		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o1.tw	Method	TBLASTX:Wheat
Start	28032	End	28784
GI	none	Score	196
Exons	28032..28238, 28033..28200, 28046..28708, 28047..28742, 28328..28777, 28335..28784		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o4.tc	Method	TBLASTX:Cress
Start	28410	End	28799
GI	none	Score	111
Exons	28410..28604, 28617..28799		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o4.ts	Method	TBLASTX:Soybean

Start	28434	End	28832
GI	none	Score	38
Exons	28434..28607, 28561..28599, 28608..28832, 28623..28817, 28657..28824		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o7.tm	Method	TBLASTX:Maize
Start	28620	End	29054
GI	none	Score	70
Exons	28620..29054, 28693..28839		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o5.tw	Method	TBLASTX:Wheat
Start	28785	End	28979
GI	none	Score	188
Exons	28785..28979, 28785..28976		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o9.ts	Method	TBLASTX:Soybean
Start	28842	End	29228
GI	none	Score	88
Exons	28842..29090, 29073..29228		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o3.tm	Method	TBLASTX:Maize
Start	29255	End	29577
GI	none	Score	374
Exons	29255..29422, 29256..29570, 29257..29544, 29323..29577		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o4.tm	Method	TBLASTX:Maize
Start	30073	End	30386
GI	none	Score	273
Exons	30073..30363, 30075..30386, 30078..30368		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o4.tw	Method	TBLASTX:Wheat
Start	30134	End	30524
GI	none	Score	238
Exons	30134..30286, 30135..30524, 30136..30522		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o5.ts	Method	TBLASTX:Soybean

Start	34942	End	35188
GI	none	Score	260
Exons	34942..35040, 34967..35188, 34968..35186, 35087..35188		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o1.tm	Method	TBLASTX:Maize
Start	34970	End	35404
GI	none	Score	506
Exons	34970..35404, 34971..35402, 35161..35403		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o13.tm	Method	TBLASTX:Maize
Start	51484	End	51912
GI	none	Score	112
Exons	51484..51609, 51575..51769, 51679..51912		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o8.tm	Method	TBLASTX:Maize
Start	52393	End	52786
GI	none	Score	90
Exons	52393..52470, 52477..52599, 52613..52786, 52614..52760		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o14.tm	Method	TBLASTX:Maize
Start	52787	End	53008
GI	none	Score	78
Exons	52787..53008, 52820..52987, 52821..52988		

Seq. No.	8745	Seq. ID	OJ991210_11.0121.C11
Gene No.	18635	Strand	-
Start	56571	End	57013
Name	OJ991210_11.0121.C11.o8.np	Method	AAT/NAP
Start	56571	End	57013
GI	4379369	Score	189
Exons	56571..57013		
GI Descrip.	(X90560) Calmodulin [Cloning vector pBluescript]		

Seq. No.	8746	Seq. ID	OJ991210_11.0121.C12
Gene No.	18636	Strand	-
Start	110	End	770
Name	OJ991210_11.0121.C12.o1.ts	Method	TBLASTX:Soybean
Start	107	End	414
GI	none	Score	124
Exons	107..235, 109..237, 109..240, 308..412, 308..412, 313..414		

Seq. No.	8746	Seq. ID	OJ991210_11.0121.C12
Gene No.	18636	Strand	-
Start	110	End	770
Name	OJ991210_11.0121.C12.o1.tc	Method	TBLASTX:Cress

Start	109	End	419
GI	none	Score	132
Exons	109..240, 110..235, 112..237, 313..414, 314..412, 318..419		

Seq. No.	8746	Seq. ID	OJ991210_11.0121.C12
Gene No.	18636	Strand	-
Start	110	End	770
Name	OJ991210_11.0121.C12.o1.tw	Method	TBLASTX:Wheat
Start	109	End	378
GI	none	Score	120
Exons	109..237, 110..235, 321..371, 325..378		

Seq. No.	8746	Seq. ID	OJ991210_11.0121.C12
Gene No.	18636	Strand	-
Start	110	End	770
Name	OJ991210_11.0121.C12.o1.tm	Method	TBLASTX:Maize
Start	109	End	414
GI	none	Score	156
Exons	109..240, 110..235, 112..237, 274..414, 312..395, 313..414		

Seq. No.	8746	Seq. ID	OJ991210_11.0121.C12
Gene No.	18636	Strand	-
Start	110	End	770
Name	OJ991210_11.0121.C12.o1.gp	Method	AAT/GAP
Start	110	End	411
GI	1765_3.R1084	Score	389
Exons	110..235, 314..411		
GI Descrip.	'4512675/gb|AAD21729.1| 1.0e-154 (AC006931) putative citrate synthase [Arabidopsis thaliana]'		

Seq. No.	8746	Seq. ID	OJ991210_11.0121.C12
Gene No.	18636	Strand	-
Start	110	End	770
Name	OJ991210_11.0121.C12.o1.np	Method	AAT/NAP
Start	112	End	770
GI	4512675	Score	290
Exons	112..235, 314..411, 735..770		
GI Descrip.	(AC006931) putative citrate synthase [Arabidopsis thaliana]		

Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18637	Strand	-
Start	1	End	4151
Name	OJ991210_11.0121.C13.o1.np	Method	AAT/NAP
Start	1	End	4066
GI	4512675	Score	1246
Exons	1..20, 900..1023, 1170..1243, 1589..1664, 1734..1853, 1984..2093, 2376..2438, 2608..2712, 2818..2903, 2980..3160, 3839..4066		
GI Descrip.	(AC006931) putative citrate synthase [Arabidopsis thaliana]		

Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18637	Strand	-
Start	1	End	4151
Name	OJ991210_11.0121.C13.o1.gp	Method	AAT/GAP
Start	900	End	2432
GI	1765_3.R1084	Score	984
Exons	900..1023, 1170..1243, 1589..1664, 1734..1853, 1984..2093,		

	2376..2432		
GI Descrip.	'4512675/gb|AAD21729.1| 1.0e-154 (AC006931) putative citrate synthase [Arabidopsis thaliana]'		
Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18637	Strand	-
Start	1	End	4151
Name	OJ991210_11.0121.C13.o1.gs	Method	GENSCAN
Start	948	End	4051
GI	none	Score	.86
Exons	948..1023, 1170..1243, 1589..1664, 1734..1853, 1984..2093, 2376..2438, 2608..2712, 2818..2903, 2980..3145, 3839..4051		
Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18637	Strand	-
Start	1	End	4151
Name	OJ991210_11.0121.C13.o2.gp	Method	AAT/GAP
Start	3050	End	4151
GI	5004312	Score	795
Exons	3050..3161, 3839..4151		
Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18638	Strand	-
Start	4252	End	9971
Name	OJ991210_11.0121.C13.o2.gs	Method	GENSCAN
Start	4252	End	9962
GI	none	Score	.61
Exons	4252..4357, 5028..5140, 5384..5467, 5992..6062, 8537..8671, 8842..9199, 9219..9309, 9514..9575, 9765..9962		
Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18638	Strand	-
Start	4252	End	9971
Name	OJ991210_11.0121.C13.o2.np	Method	AAT/NAP
Start	8423	End	9971
GI	2190540	Score	487
Exons	8423..8639, 8838..8882, 9514..9575, 9765..9971		
GI Descrip.	(AC001229) Similar to Arabidopsis TFL1 (gb|U77674). [Arabidopsis thaliana] gi|4903012|dbj|BAA77838.1| (AB027504) FT [Arabidopsis thaliana] gi|6117978|gb|AAF03936.1|AF152096_1 (AF152096) flowering locus T [Arabidopsis thaliana]		
Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18639	Strand	-
Start	11350	End	12619
Name	OJ991210_11.0121.C13.o1.tc	Method	TBLASTX:Cress
Start	892	End	4045
GI	none	Score	86
Exons	892..1023, 902..1006, 1184..1246, 1589..1666, 1590..1667, 1704..1805, 1734..1865, 1736..1879, 1983..2093, 1987..2097, 1993..2094, 2376..2438, 2377..2439, 2609..2713, 2610..2717, 2611..2712, 2816..2911, 2818..2910, 2958..3152, 2963..3163, 3836..3925, 3840..3905, 4013..4045		
Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18639	Strand	-
Start	11350	End	12619

Name	OJ991210_11.0121.C13.o1.tm	Method	TBLASTX:Maize
Start	892	End	4088
GI	none	Score	93
Exons	892..972, 902..973, 963..1025, 973..1026, 1158..1244, 1166..1252, 1168..1245, 1169..1246, 1589..1666, 1589..1666, 1590..1667, 1704..1853, 1715..1864, 1734..1886, 1736..1879, 1931..2041, 1983..2093, 1984..2097, 2369..2437, 2376..2438, 2377..2439, 2577..2714, 2608..2712, 2614..2724, 2816..2911, 2816..2905, 2818..2922, 2818..2910, 2963..3163, 2979..3152, 2986..3153, 3836..3925, 3839..3919, 4013..4045, 4014..4088		

Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18639	Strand	-
Start	11350	End	12619
Name	OJ991210_11.0121.C13.o1.ts	Method	TBLASTX:Soybean
Start	892	End	2706
GI	none	Score	84
Exons	892..972, 902..970, 963..1025, 964..1026, 1167..1244, 1169..1246, 1589..1666, 1590..1667, 1716..1811, 1734..1865, 1736..1879, 1984..2088, 1986..2087, 2373..2438, 2608..2703, 2608..2706		

Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18639	Strand	-
Start	11350	End	12619
Name	OJ991210_11.0121.C13.o1.tw	Method	TBLASTX:Wheat
Start	2617	End	3910
GI	none	Score	139
Exons	2617..2712, 2618..2713, 2619..2714, 2816..2911, 2816..2905, 2818..2910, 2963..3163, 2979..3155, 3831..3905, 3836..3910, 3839..3910		

Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18639	Strand	-
Start	11350	End	12619
Name	OJ991210_11.0121.C13.o2.ts	Method	TBLASTX:Soybean
Start	2816	End	4045
GI	none	Score	80
Exons	2816..2899, 2816..2896, 2818..2901, 2818..2898, 2976..3152, 2980..3159, 2981..3163, 3019..3159, 3836..3925, 4013..4045		

Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18639	Strand	-
Start	11350	End	12619
Name	OJ991210_11.0121.C13.o2.tm	Method	TBLASTX:Maize
Start	8423	End	8644
GI	none	Score	256
Exons	8423..8644		

Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18639	Strand	-
Start	11350	End	12619
Name	OJ991210_11.0121.C13.o3.ts	Method	TBLASTX:Soybean
Start	8424	End	8645
GI	none	Score	164
Exons	8424..8645, 8426..8644		

Seq. No.	8747	Seq. ID	OJ991210_11.0121.C13
Gene No.	18639	Strand	-
Start	11350	End	12619
Name	OJ991210_11.0121.C13.o3.gs	Method	GENSCAN
Start	11350	End	12619
GI	none	Score	.51
Exons	11350..11464, 12143..12210, 12596..12619		

Seq. No.	8748	Seq. ID	OJ991210_11.0121.C14
Gene No.	18640	Strand	-
Start	1071	End	1199
Name	OJ991210_11.0121.C14.o1.gs	Method	GENSCAN
Start	1071	End	1199
GI	none	Score	.91
Exons	1071..1199		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18641	Strand	+
Start	125	End	1878
Name	OJ991210_11.0121.C15.o1.gs	Method	GENSCAN
Start	125	End	1878
GI	none	Score	.55
Exons	125..173, 313..444, 1808..1878		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18642	Strand	+
Start	7321	End	9351
Name	OJ991210_11.0121.C15.o1.gp	Method	AAT/GAP
Start	7321	End	9351
GI	none	Score	841
Exons	7321..7554, 8687..8805, 8925..8997, 9306..9351		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18643	Strand	+
Start	9699	End	11895
Name	OJ991210_11.0121.C15.o4.gs	Method	GENSCAN
Start	9699	End	11895
GI	none	Score	.66
Exons	9699..9928, 10024..10187, 10372..10657, 11397..11534, 11760..11895		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18644	Strand	-
Start	3952	End	4461
Name	OJ991210_11.0121.C15.o2.gs	Method	GENSCAN
Start	3952	End	4461
GI	none	Score	.79
Exons	3952..4113, 4225..4461		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18645	Strand	-
Start	7147	End	9155
Name	OJ991210_11.0121.C15.o3.gs	Method	GENSCAN
Start	7147	End	9155
GI	none	Score	.78
Exons	7147..7642, 7711..7789, 7829..8012, 9114..9155		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18646	Strand	-
Start	13130	End	13347
Name	OJ991210_11.0121.C15.o1.ts	Method	TBLASTX:Soybean
Start	8733	End	9921
GI	none	Score	131
Exons	8733..8807, 8735..8815, 8927..8995, 8927..8992, 9304..9357, 9421..9456, 9672..9920, 9674..9919, 9676..9921		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18646	Strand	-
Start	13130	End	13347
Name	OJ991210_11.0121.C15.o1.tm	Method	TBLASTX:Maize
Start	9788	End	10141
GI	none	Score	118
Exons	9788..9856, 9789..9860, 9796..9867, 9799..9867, 9870..9929, 9884..9928, 9889..9933, 9999..10115, 10008..10136, 10019..10141, 10019..10135		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18646	Strand	-
Start	13130	End	13347
Name	OJ991210_11.0121.C15.o2.gp	Method	AAT/GAP
Start	12829	End	13347
GI	5038854	Score	888
Exons	12829..13347		

Seq. No.	8749	Seq. ID	OJ991210_11.0121.C15
Gene No.	18646	Strand	-
Start	13130	End	13347
Name	OJ991210_11.0121.C15.o5.gs	Method	GENSCAN
Start	13130	End	13311
GI	none	Score	1
Exons	13130..13311		

Seq. No.	8750	Seq. ID	OJ991210_11.0121.C16
Gene No.	18647	Strand	+
Start	2846	End	2920
Name	OJ991210_11.0121.C16.o2.np	Method	AAT/NAP
Start	2846	End	2920
GI	5852084	Score	65
Exons	2846..2920		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	8750	Seq. ID	OJ991210_11.0121.C16
Gene No.	18648	Strand	-
Start	1	End	2476
Name	OJ991210_11.0121.C16.o1.np	Method	AAT/NAP
Start	1	End	2455
GI	729775	Score	307
Exons	1..152, 239..420, 704..747, 2382..2455		
GI Descrip.	HEAT SHOCK FACTOR PROTEIN HSF8 (HEAT SHOCK TRANSCRIPTION FACTOR 8) (HSTF 8) (HEAT STRESS TRANSCRIPTION FACTOR) gi|100264|pir||S25481 heat shock transcription factor 8 - Peruvian tomato gi|19492|emb|CAA47869| (X67600) heat shock transcription factor 8 [Lycopersicon peruvianum]		

Seq. No.	8750	Seq. ID	OJ991210_11.0121.C16
Gene No.	18648	Strand	-
Start	1	End	2476
Name	OJ991210_11.0121.C16.o1.tc	Method	TBLASTX:Cress
Start	78	End	424
GI	none	Score	60
Exons	78..155, 78..233, 239..424, 240..422		

Seq. No.	8750	Seq. ID	OJ991210_11.0121.C16
Gene No.	18648	Strand	-
Start	1	End	2476
Name	OJ991210_11.0121.C16.o1.tw	Method	TBLASTX:Wheat
Start	78	End	635
GI	none	Score	54
Exons	78..149, 78..212, 94..153, 239..418, 240..419, 522..635		

Seq. No.	8750	Seq. ID	OJ991210_11.0121.C16
Gene No.	18648	Strand	-
Start	1	End	2476
Name	OJ991210_11.0121.C16.o1.ts	Method	TBLASTX:Soybean
Start	78	End	416
GI	none	Score	63
Exons	78..158, 85..153, 219..416, 236..415		

Seq. No.	8750	Seq. ID	OJ991210_11.0121.C16
Gene No.	18648	Strand	-
Start	1	End	2476
Name	OJ991210_11.0121.C16.o1.tm	Method	TBLASTX:Maize
Start	111	End	466
GI	none	Score	60
Exons	111..185, 112..153, 234..368, 239..367, 354..425, 371..466		

Seq. No.	8750	Seq. ID	OJ991210_11.0121.C16
Gene No.	18648	Strand	-
Start	1	End	2476
Name	OJ991210_11.0121.C16.o1.gs	Method	GENSCAN
Start	127	End	457
GI	none	Score	.8
Exons	127..457		

Seq. No.	8750	Seq. ID	OJ991210_11.0121.C16
Gene No.	18648	Strand	-
Start	1	End	2476
Name	OJ991210_11.0121.C16.o2.gs	Method	GENSCAN
Start	915	End	2476
GI	none	Score	.65
Exons	915..1066, 1538..1638, 2370..2476		

Seq. No.	8751	Seq. ID	OJ991210_11.0121.C17
Gene No.	18649	Strand	+
Start	381	End	512
Name	OJ991210_11.0121.C17.o1.gs	Method	GENSCAN
Start	381	End	512
GI	none	Score	.88
Exons	381..512		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19

Gene No.	18650	Strand	+
Start	1431	End	4547
Name	OJ991210_11.0121.C19.o2.gp	Method	AAT/GAP
Start	1431	End	4547
GI	719_1.R1084	Score	2838
Exons	1431..1778, 1873..2293, 2477..2538, 3903..4547		
GI Descrip.	'1076748/pir||S52003 1.0e-140 major intrinsic protein - rice >gi_440869_dbj_BAA04257_ (D17443) major intrinsic protein [Oryza sativa]'		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18650	Strand	+
Start	1431	End	4547
Name	OJ991210_11.0121.C19.o1.gs	Method	GENSCAN
Start	1632	End	4125
GI	none	Score	.97
Exons	1632..1778, 1873..2052, 2096..2293, 2477..2538, 3903..4125		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18650	Strand	+
Start	1431	End	4547
Name	OJ991210_11.0121.C19.o1.np	Method	AAT/NAP
Start	1632	End	4122
GI	1076748	Score	1344
Exons	1632..1778, 1873..2293, 2477..2538, 3903..4122		
GI Descrip.	major intrinsic protein - rice gi|440869|dbj|BAA04257| (D17443) major intrinsic protein [Oryza sativa]		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18651	Strand	-
Start	511	End	778
Name	OJ991210_11.0121.C19.o1.gp	Method	AAT/GAP
Start	511	End	778
GI	LIB3434-035-P1-K1-A7	Score	462
Exons	511..778		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o1.tm	Method	TBLASTX:Maize
Start	1631	End	4122
GI	none	Score	42
Exons	1631..1669, 1632..1670, 1671..1718, 1713..1784, 1757..1777, 1869..2087, 1872..1967, 1873..2073, 2025..2087, 2090..2308, 2090..2221, 2092..2292, 2470..2547, 2477..2545, 3903..4115, 3904..4113, 4012..4122		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o1.tc	Method	TBLASTX:Cress
Start	1749	End	4101
GI	none	Score	42
Exons	1749..1784, 1873..2076, 1875..2069, 2143..2292, 2168..2308, 2470..2550, 2477..2545, 3903..4097, 3904..4101		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o1.ts	Method	TBLASTX:Soybean
Start	1873	End	2302
GI	none	Score	255
Exons	1873..2073, 1878..2087, 2087..2302, 2092..2298		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o4.tw	Method	TBLASTX:Wheat
Start	1873	End	2072
GI	none	Score	180
Exons	1873..2070, 1986..2072		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o1.tw	Method	TBLASTX:Wheat
Start	2475	End	4122
GI	none	Score	69
Exons	2475..2516, 2475..2537, 2480..2545, 2480..2539, 3901..4122, 3904..4113		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o4.ts	Method	TBLASTX:Soybean
Start	2477	End	4095
GI	none	Score	78
Exons	2477..2545, 3903..4094, 3904..4095		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o2.gs	Method	GENSCAN
Start	5642	End	10172
GI	none	Score	.58
Exons	5642..5876, 5902..6107, 6148..6378, 6583..6668, 7739..8054, 8721..8871, 8984..9218, 9354..9564, 10018..10172		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o3.ts	Method	TBLASTX:Soybean
Start	5904	End	6330
GI	none	Score	99
Exons	5904..5984, 6042..6161, 6214..6330		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o4.tc	Method	TBLASTX:Cress
Start	5904	End	6330
GI	none	Score	93

Exons	5904..5993, 6051..6161, 6214..6330		
Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o2.np	Method	AAT/NAP
Start	5973	End	6409
GI	4884524	Score	629
Exons	5973..6409		
GI Descrip.	(AB027427) class III chitinase homologue (OsChib3H-h) [Oryza sativa]		
Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o3.gp	Method	AAT/GAP
Start	5976	End	6456
GI	111_9.R1084	Score	727
Exons	5976..6456		
GI Descrip.	'4884524/dbj|BAA77780.1| 5.0e-64 (AB027427) class III chitinase homologue (OsChib3H-h) [Oryza sativa]'		
Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o3.tm	Method	TBLASTX:Maize
Start	6051	End	6327
GI	none	Score	67
Exons	6051..6113, 6114..6161, 6118..6174, 6157..6210, 6163..6225, 6217..6327, 6218..6322		
Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o3.tw	Method	TBLASTX:Wheat
Start	6114	End	6327
GI	none	Score	69
Exons	6114..6176, 6118..6177, 6163..6219, 6223..6327, 6224..6322		
Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o3.np	Method	AAT/NAP
Start	6767	End	10268
GI	6056376	Score	668
Exons	6767..6822, 7688..7817, 7869..8054, 8721..8871, 8984..9201, 9343..9564, 10018..10110, 10222..10268		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o4.gp	Method	AAT/GAP
Start	7695	End	8758
GI	LIB3433-040-P1-K1-H2	Score	737
Exons	7695..8054, 8721..8758		

GI Descrip. '6056376/gb|AAF02840.1|AC009894_11 5.0e-10 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o2.ts	Method	TBLASTX:Soybean
Start	7869	End	10107
GI	none	Score	74
Exons	7869..7958, 7876..7956, 7947..8045, 7948..8034, 8720..8866, 8721..8870, 8721..8876, 8722..8877, 8761..8877, 8983..9024, 9019..9219, 9020..9196, 9349..9567, 9351..9566, 10018..10107, 10025..10105		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o2.tc	Method	TBLASTX:Cress
Start	8712	End	9192
GI	none	Score	69
Exons	8712..8855, 8716..8877, 8721..8876, 8983..9027, 9016..9192, 9020..9190		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o2.tm	Method	TBLASTX:Maize
Start	8850	End	9567
GI	none	Score	292
Exons	8850..8876, 8983..9219, 8984..9226, 9346..9567, 9347..9382, 9440..9565		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o2.tw	Method	TBLASTX:Wheat
Start	9064	End	9567
GI	none	Score	67
Exons	9064..9222, 9074..9226, 9352..9567, 9440..9565		

Seq. No.	8752	Seq. ID	OJ991210_11.0121.C19
Gene No.	18652	Strand	-
Start	5642	End	10268
Name	OJ991210_11.0121.C19.o3.tc	Method	TBLASTX:Cress
Start	9350	End	9567
GI	none	Score	43
Exons	9350..9382, 9352..9567, 9443..9565		

Seq. No.	8753	Seq. ID	OJ991210_06.0110.C1
Gene No.	18653	Strand	-
Start	373	End	409
Name	OJ991210_06.0110.C1.o1.gs	Method	GENSCAN
Start	373	End	409
GI	none	Score	.72
Exons	373..409		

Seq. No.	8754	Seq. ID	OJ991210_06.0110.C3

Gene No.	18654	Strand	-
Start	1	End	376
Name	OJ991210_06.0110.C3.o1.np	Method	AAT/NAP
Start	1	End	376
GI	4115354	Score	133
Exons	1..376		
GI Descrip.	(AC005957) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	8755	Seq. ID	OJ991210_06.0110.C4
Gene No.	18655	Strand	-
Start	235	End	505
Name	OJ991210_06.0110.C4.o1.gs	Method	GENSCAN
Start	235	End	505
GI	none	Score	.76
Exons	235..505		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18656	Strand	+
Start	1609	End	8576
Name	OJ991210_06.0110.C7.o1.np	Method	AAT/NAP
Start	1609	End	7540
GI	4835783	Score	1050
Exons	1609..1656, 2155..3075, 3322..3642, 5191..5327, 7497..7540		
GI Descrip.	(AC007296) Strong similarity to gi|3367537 T8K4.24 from Arabidopsis thaliana BAC gb|AC004392. EST gb|N37796 comes from this gene.		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18656	Strand	+
Start	1609	End	8576
Name	OJ991210_06.0110.C7.o1.gp	Method	AAT/GAP
Start	1919	End	2185
GI	none	Score	196
Exons	1919..2052, 2153..2185		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18656	Strand	+
Start	1609	End	8576
Name	OJ991210_06.0110.C7.o1.gs	Method	GENSCAN
Start	2137	End	8458
GI	none	Score	.57
Exons	2137..3642, 5191..5554, 5795..5853, 7048..8458		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18656	Strand	+
Start	1609	End	8576
Name	OJ991210_06.0110.C7.o2.gp	Method	AAT/GAP
Start	2901	End	3321
GI	23733_1.R1084	Score	743
Exons	2901..3321		
GI Descrip.	'3367537 1.0e-10 (AC004392) Contains similarity to ANK repeat region of Fowlpox virus BamHI-orf7 protein homolog C18F10.7 gi_485107 from Caenorhabditis elegans cosmid gb_U00049. This gene is continued from unannotated gene on BAC F19K23 gb_AC000375. [Arabid'		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7

Gene No.	18656	Strand	+
Start	1609	End	8576
Name	OJ991210_06.0110.C7.o3.gp	Method	AAT/GAP
Start	5199	End	5689
GI	none	Score	904
Exons	5199..5689		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18656	Strand	+
Start	1609	End	8576
Name	OJ991210_06.0110.C7.o3.np	Method	AAT/NAP
Start	6276	End	8576
GI	2244787	Score	230
Exons	6276..6297, 8079..8346, 8416..8576		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18656	Strand	+
Start	1609	End	8576
Name	OJ991210_06.0110.C7.o2.np	Method	AAT/NAP
Start	6859	End	7331
GI	119714	Score	72
Exons	6859..7331		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18656	Strand	+
Start	1609	End	8576
Name	OJ991210_06.0110.C7.o6.gp	Method	AAT/GAP
Start	7028	End	7464
GI	none	Score	851
Exons	7028..7464		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o1.ts	Method	TBLASTX:Soybean
Start	2143	End	2727
GI	none	Score	696
Exons	2143..2727, 2250..2720		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o3.tm	Method	TBLASTX:Maize
Start	2419	End	2622
GI	none	Score	346
Exons	2419..2622, 2419..2619, 2421..2621		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o1.tc	Method	TBLASTX:Cress
Start	2500	End	2907

GI	none	Score	419
Exons	2500..2769, 2511..2720, 2805..2906, 2806..2907		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o1.tm	Method	TBLASTX:Maize
Start	2628	End	3222
GI	none	Score	911
Exons	2628..3077, 2629..3219, 2650..3222, 2777..3220		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o1.tw	Method	TBLASTX:Wheat
Start	2669	End	2925
GI	none	Score	391
Exons	2669..2845, 2676..2924, 2677..2925, 2680..2925		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o2.ts	Method	TBLASTX:Soybean
Start	2802	End	3126
GI	none	Score	355
Exons	2802..3077, 2803..3126, 2887..3108		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o3.ts	Method	TBLASTX:Soybean
Start	3142	End	5500
GI	none	Score	88
Exons	3142..3219, 3284..3331, 3466..3645, 3466..3642, 3468..3650, 5193..5384, 5237..5353, 5239..5400, 5362..5466, 5408..5500, 5410..5496		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o2.tm	Method	TBLASTX:Maize
Start	3224	End	5961
GI	none	Score	124
Exons	3224..3364, 3232..3357, 3300..3359, 3374..3580, 3439..3648, 3466..3645, 5190..5354, 5190..5540, 5200..5595, 5239..5466, 5560..5598, 5736..5762, 5737..5760, 5767..5838, 5773..5898, 5816..5851, 5877..5954, 5879..5953, 5913..5957, 5914..5961, 5914..5961		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o2.tc	Method	TBLASTX:Cress
Start	3461	End	3666
GI	none	Score	64
Exons	3461..3535, 3462..3506, 3469..3666		

Seq. No.	8756	Seq. ID	OJ991210_06.0110.C7
Gene No.	18657	Strand	-
Start	5707	End	5961
Name	OJ991210_06.0110.C7.o4.gp	Method	AAT/GAP
Start	5707	End	5943
GI	1854261	Score	440
Exons	5707..5943		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18658	Strand	+
Start	1	End	2592
Name	OJ991210_06.0110.C8.o1.np	Method	AAT/NAP
Start	1	End	1914
GI	2244787	Score	1204
Exons	1..1186, 1444..1914		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18658	Strand	+
Start	1	End	2592
Name	OJ991210_06.0110.C8.o1.gs	Method	GENSCAN
Start	7	End	2592
GI	none	Score	.73
Exons	7..468, 858..1186, 1444..1616, 1746..1946, 2444..2592		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18658	Strand	+
Start	1	End	2592
Name	OJ991210_06.0110.C8.o1.gp	Method	AAT/GAP
Start	1116	End	2147
GI	22066_1.R1084	Score	1220
Exons	1116..1186, 1444..2147		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18658	Strand	+
Start	1	End	2592
Name	OJ991210_06.0110.C8.o2.gp	Method	AAT/GAP
Start	1442	End	2145
GI	22066_1.R1084	Score	1113
Exons	1442..2145		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o4.tm	Method	TBLASTX:Maize
Start	58	End	372
GI	none	Score	322
Exons	58..372, 70..267, 72..371		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o7.tm	Method	TBLASTX:Maize

Start	674	End	850
GI	none	Score	209
Exons	674..850, 676..843		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o5.tm	Method	TBLASTX:Maize
Start	967	End	1594
GI	none	Score	57
Exons	967..1017, 968..1114, 969..1124, 1063..1125, 1108..1185, 1113..1187, 1118..1186, 1119..1187, 1429..1587, 1441..1593, 1442..1594		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o2.tm	Method	TBLASTX:Maize
Start	1594	End	1997
GI	none	Score	527
Exons	1594..1968, 1595..1969, 1596..1988, 1608..1997		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o1.tm	Method	TBLASTX:Maize
Start	2313	End	4530
GI	none	Score	71
Exons	2313..2357, 2419..2439, 2480..2572, 2484..2546, 2582..2683, 2593..2682, 2747..2902, 2764..2901, 2769..2903, 3049..3216, 3065..3214, 3066..3215, 3216..3281, 3218..3286, 3342..3485, 3346..3519, 3366..3521, 3598..3654, 3608..3652, 3712..3840, 3720..3848, 3927..4055, 3928..4056, 3936..4058, 3938..4087, 3938..4072, 4071..4175, 4075..4179, 4075..4176, 4101..4202, 4429..4530, 4434..4529		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o1.ts	Method	TBLASTX:Soybean
Start	2575	End	3216
GI	none	Score	109
Exons	2575..2682, 2591..2683, 2616..2705, 2764..2874, 2764..2901, 3066..3125, 3066..3215, 3067..3216		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o2.np	Method	AAT/NAP
Start	2593	End	7370
GI	6524189	Score	980
Exons	2593..2680, 2765..2901, 2991..3280, 3366..3518, 3607..3651, 3735..3839, 3930..4186, 4409..4549, 4655..4784, 4916..4981, 5324..5374, 6042..6250, 6281..6485, 6664..6855, 6966..7370		
GI Descrip.	(AC011914) putative receptor protein [Arabidopsis thaliana]		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8

Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o2.tc	Method	TBLASTX:Cress
Start	2596	End	3114
GI	none	Score	123
Exons	2596..2682, 2597..2683, 2747..2788, 2764..2898, 3066..3113, 3070..3114		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o3.gp	Method	AAT/GAP
Start	2802	End	4004
GI	23441_1.R1084	Score	1302
Exons	2802..2901, 2991..3280, 3366..3518, 3607..3651, 3735..3839, 3930..4004		
GI Descrip.	'5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o1.tw	Method	TBLASTX:Wheat
Start	3078	End	3522
GI	none	Score	167
Exons	3078..3209, 3078..3215, 3079..3225, 3080..3226, 3216..3260, 3218..3259, 3257..3289, 3257..3286, 3366..3479, 3367..3477, 3367..3522, 3374..3481		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o2.gs	Method	GENSCAN
Start	3203	End	5392
GI	none	Score	.71
Exons	3203..3280, 3366..3518, 3607..3651, 3735..3866, 3901..4173, 4659..4784, 4916..4990, 5330..5392		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o1.tc	Method	TBLASTX:Cress
Start	3346	End	3828
GI	none	Score	117
Exons	3346..3519, 3366..3521, 3419..3526, 3590..3652, 3598..3654, 3598..3654, 3712..3828, 3720..3827		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o3.np	Method	AAT/NAP
Start	3893	End	7370
GI	6524189	Score	406
Exons	3893..4186, 4409..4549, 4655..4784, 4916..4981, 5324..5374, 6042..6250, 6281..6485, 6664..6855, 6966..7370		

GI Descrip. (AC011914) putative receptor protein [Arabidopsis thaliana]

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o3.tc	Method	TBLASTX:Cress
Start	3969	End	4179
GI	none	Score	134
Exons	3969..4175, 3970..4179		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o4.gp	Method	AAT/GAP
Start	4391	End	6116
GI	702430	Score	762
Exons	4391..4549, 4655..4784, 4916..4990, 5330..5378, 6046..6116		
GI Descrip.	5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o6.tm	Method	TBLASTX:Maize
Start	4635	End	4993
GI	none	Score	158
Exons	4635..4796, 4648..4812, 4654..4758, 4886..4993, 4914..4991, 4915..4992		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o3.gs	Method	GENSCAN
Start	5997	End	10408
GI	none	Score	.8
Exons	5997..6445, 6564..6855, 7098..7478, 10364..10408		

Seq. No.	8757	Seq. ID	OJ991210_06.0110.C8
Gene No.	18659	Strand	-
Start	2593	End	10408
Name	OJ991210_06.0110.C8.o3.tm	Method	TBLASTX:Maize
Start	6084	End	6449
GI	none	Score	239
Exons	6084..6266, 6088..6261, 6345..6449		

Seq. No.	8758	Seq. ID	OJ991210_06.0110.C10
Gene No.	18660	Strand	+
Start	1	End	535
Name	OJ991210_06.0110.C10.o1.np	Method	AAT/NAP
Start	1	End	535
GI	6069646	Score	206
Exons	1..535		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence,		

putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	8758	Seq. ID	OJ991210_06.0110.C10
Gene No.	18660	Strand	+
Start	1	End	535
Name	OJ991210_06.0110.C10.o1.gs	Method	GENSCAN
Start	86	End	222
GI	none	Score	.92
Exons	86..222		

Seq. No.	8758	Seq. ID	OJ991210_06.0110.C10
Gene No.	18661	Strand	-
Start	1370	End	1619
Name	OJ991210_06.0110.C10.o1.tm	Method	TBLASTX:Maize
Start	2	End	419
GI	none	Score	42
Exons	2..49, 59..88, 128..316, 129..314, 308..406, 309..419		

Seq. No.	8758	Seq. ID	OJ991210_06.0110.C10
Gene No.	18661	Strand	-
Start	1370	End	1619
Name	OJ991210_06.0110.C10.o2.gs	Method	GENSCAN
Start	1370	End	1619
GI	none	Score	.5
Exons	1370..1382, 1426..1619		

Seq. No.	8758	Seq. ID	OJ991210_06.0110.C10
Gene No.	18661	Strand	-
Start	1370	End	1619
Name	OJ991210_06.0110.C10.o1.ts	Method	TBLASTX:Soybean
Start	1419	End	1592
GI	none	Score	113
Exons	1419..1592, 1422..1589, 1423..1590		

Seq. No.	8759	Seq. ID	OJ991210_06.0110.C11
Gene No.	18662	Strand	-
Start	79	End	1160
Name	OJ991210_06.0110.C11.o1.ts	Method	TBLASTX:Soybean
Start	77	End	321
GI	none	Score	75
Exons	77..196, 78..197, 207..314, 207..320, 208..321		

Seq. No.	8759	Seq. ID	OJ991210_06.0110.C11
Gene No.	18662	Strand	-
Start	79	End	1160
Name	OJ991210_06.0110.C11.o1.gs	Method	GENSCAN
Start	79	End	1160
GI	none	Score	.79
Exons	79..211, 417..831, 880..1160		

Seq. No.	8760	Seq. ID	OJ991210_06.0110.C12
Gene No.	18663	Strand	+
Start	3587	End	4305
Name	OJ991210_06.0110.C12.o1.np	Method	AAT/NAP
Start	3587	End	4305
GI	2244790	Score	414

Exons	3587..4091, 4158..4305		
GI Descrip.	(Z97336) kinesin like protein [Arabidopsis thaliana]		
Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18664	Strand	+
Start	137	End	4358
Name	OJ991210_06.0110.C13.o1.gs	Method	GENSCAN
Start	137	End	3006
GI	none	Score	.97
Exons	137..292, 393..500, 932..1042, 1139..2575, 2626..3006		
Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18664	Strand	+
Start	137	End	4358
Name	OJ991210_06.0110.C13.o1.np	Method	AAT/NAP
Start	142	End	4358
GI	2244790	Score	980
Exons	142..292, 393..500, 932..1042, 1139..2188, 2372..2579, 2705..2912, 4302..4358		
GI Descrip.	(Z97336) kinesin like protein [Arabidopsis thaliana]		
Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o4.tm	Method	TBLASTX:Maize
Start	134	End	437
GI	none	Score	247
Exons	134..295, 134..295, 136..300, 392..436, 402..437		
Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o2.ts	Method	TBLASTX:Soybean
Start	952	End	1300
GI	none	Score	134
Exons	952..1038, 953..1042, 953..1042, 960..1043, 1119..1262, 1124..1300, 1126..1260		
Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o2.tm	Method	TBLASTX:Maize
Start	1219	End	1707
GI	none	Score	297
Exons	1219..1353, 1220..1498, 1226..1486, 1487..1633, 1494..1637, 1504..1539, 1611..1637, 1614..1688, 1617..1691, 1631..1693, 1633..1707		
Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o3.tm	Method	TBLASTX:Maize
Start	1991	End	2446
GI	none	Score	135
Exons	1991..2086, 1994..2098, 1996..2097, 2086..2175, 2095..2175, 2096..2176, 2102..2188, 2168..2317, 2177..2224, 2188..2316, 2199..2318, 2200..2319, 2323..2397, 2349..2393, 2420..2446		

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o5.tm	Method	TBLASTX:Maize
Start	2413	End	2946
GI	none	Score	108
Exons	2413..2562, 2455..2577, 2460..2576, 2480..2596, 2682..2795, 2713..2877, 2853..2945, 2866..2946		

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o6.tm	Method	TBLASTX:Maize
Start	4507	End	5626
GI	none	Score	192
Exons	4507..4557, 4619..4636, 4640..4759, 4640..4696, 4648..4758, 5472..5516, 5472..5594, 5473..5529, 5488..5595, 5495..5596, 5600..5626		

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o1.gp	Method	AAT/GAP
Start	4542	End	5651
GI	61906_1.R1084	Score	687
Exons	4542..4757, 5475..5651		
GI Descrip.	'4427003/gb|AAD20643| 5.0e-24 (AF127664) NBD-like protein [Arabidopsis thaliana]'		

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o2.np	Method	AAT/NAP
Start	4603	End	7377
GI	4427003	Score	910
Exons	4603..4757, 5475..5635, 6061..6112, 6443..6579, 6929..7015, 7093..7289, 7317..7377		
GI Descrip.	(AF127664) NBD-like protein [Arabidopsis thaliana]		

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o2.gs	Method	GENSCAN
Start	4604	End	7380
GI	none	Score	.91
Exons	4604..4757, 5475..5635, 6061..6112, 6443..6579, 6929..7015, 7093..7380		

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o1.ts	Method	TBLASTX:Soybean
Start	4640	End	7380
GI	none	Score	49
Exons	4640..4687, 4678..4758, 4679..4759, 5473..5574, 5474..5650, 5485..5661, 5495..5647, 6054..6110, 6055..6111, 6432..6581,		

6440..6580, 6442..6585, 6442..6582, 6492..6605, 6914..7012, 6926..7015, 6927..7016, 7072..7287, 7086..7286, 7091..7294, 7312..7380

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o1.tc	Method	TBLASTX:Cress
Start	4643	End	7380
GI	none	Score	131
Exons	4643..4759, 4648..4758, 5476..5616, 5489..5599, 5491..5739, 5495..5647, 6054..6110, 6055..6111, 6442..6585, 6442..6561, 6504..6581, 6914..7012, 6926..7015, 7072..7302, 7086..7286, 7318..7380		

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o1.tm	Method	TBLASTX:Maize
Start	6054	End	7385
GI	none	Score	97
Exons	6054..6113, 6055..6114, 6452..6580, 6463..6585, 6464..6583, 6914..7012, 6921..7007, 6926..7015, 7071..7292, 7072..7314, 7076..7276, 7086..7295, 7090..7302, 7281..7385, 7294..7380		

Seq. No.	8761	Seq. ID	OJ991210_06.0110.C13
Gene No.	18665	Strand	+
Start	4604	End	7610
Name	OJ991210_06.0110.C13.o2.gp	Method	AAT/GAP
Start	7082	End	7610
GI	66029_1.R1084	Score	959
Exons	7082..7610		
GI Descrip.	'4204313 1.0e-30 (AC003027) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	8762	Seq. ID	OJ991210_06.0110.C15
Gene No.	18666	Strand	+
Start	1340	End	1605
Name	OJ991210_06.0110.C15.o1.gp	Method	AAT/GAP
Start	1340	End	1605
GI	none	Score	504
Exons	1340..1605		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18667	Strand	+
Start	8348	End	14458
Name	OJ991210_06.0110.C16.o3.np	Method	AAT/NAP
Start	8348	End	11675
GI	4680186	Score	175
Exons	8348..8486, 9872..9942, 10010..10112, 10688..10826, 11645..11675		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18667	Strand	+
Start	8348	End	14458
Name	OJ991210_06.0110.C16.o4.np	Method	AAT/NAP
Start	10688	End	12315

GI	6907088	Score	225
Exons	10688..10829, 11057..11282, 11904..12315		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18667	Strand	+
Start	8348	End	14458
Name	OJ991210_06.0110.C16.o3.gs	Method	GENSCAN
Start	11163	End	14458
GI	none	Score	.45
Exons	11163..11298, 11439..11527, 12620..12742, 12994..13071, 13900..13991, 14194..14244, 14284..14458		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18668	Strand	+
Start	14892	End	25607
Name	OJ991210_06.0110.C16.o5.np	Method	AAT/NAP
Start	14892	End	25607
GI	3063699	Score	110
Exons	14892..15491, 20769..20994, 25579..25607		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18668	Strand	+
Start	14892	End	25607
Name	OJ991210_06.0110.C16.o1.gp	Method	AAT/GAP
Start	15795	End	15875
GI	LIB3434-017-P1-K1-F5	Score	91
Exons	15795..15875		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18669	Strand	-
Start	1	End	3030
Name	OJ991210_06.0110.C16.o1.np	Method	AAT/NAP
Start	1	End	3030
GI	6498441	Score	3077
Exons	1..551, 735..1108, 1172..1635, 1966..3030		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18670	Strand	-
Start	6785	End	9278
Name	OJ991210_06.0110.C16.o2.np	Method	AAT/NAP
Start	6781	End	9254
GI	4826399	Score	1011
Exons	6781..8038, 8141..8236, 8333..9254		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18670	Strand	-
Start	6785	End	9278
Name	OJ991210_06.0110.C16.o2.gs	Method	GENSCAN
Start	6785	End	9278

GI	none	Score	.87
Exons	6785..7938, 8069..8236, 8333..9278		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o5.tw	Method	TBLASTX:Wheat
Start	398	End	637
GI	none	Score	123
Exons	398..637, 399..629		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o3.tm	Method	TBLASTX:Maize
Start	614	End	970
GI	none	Score	128
Exons	614..919, 614..970, 624..935		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o1.tw	Method	TBLASTX:Wheat
Start	638	End	1101
GI	none	Score	228
Exons	638..1099, 644..1099, 645..1100, 658..1101		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o2.ts	Method	TBLASTX:Soybean
Start	695	End	1060
GI	none	Score	117
Exons	695..829, 836..1060		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o2.tw	Method	TBLASTX:Wheat
Start	1292	End	1751
GI	none	Score	167
Exons	1292..1750, 1296..1556, 1614..1751		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o4.tw	Method	TBLASTX:Wheat
Start	2489	End	2881
GI	none	Score	96
Exons	2489..2746, 2523..2762, 2729..2827, 2730..2822, 2834..2881		

Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o4.tm	Method	TBLASTX:Maize
Start	2591	End	2876
GI	none	Score	91

Exons	2591..2839, 2592..2876		
Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o1.tm	Method	TBLASTX:Maize
Start	6911	End	7904
GI	none	Score	298
Exons	6911..7873, 6921..7418, 7139..7627, 7515..7694, 7784..7903, 7836..7904		
Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o1.tc	Method	TBLASTX:Cress
Start	6938	End	9185
GI	none	Score	71
Exons	6938..7882, 6939..7067, 7052..7168, 7095..7418, 7190..7432, 7508..7630, 7518..7688, 7773..7907, 8337..8429, 8490..8606, 8643..8738, 9084..9185		
Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o1.ts	Method	TBLASTX:Soybean
Start	7112	End	7888
GI	none	Score	189
Exons	7112..7681, 7167..7421, 7518..7643, 7649..7804, 7823..7888		
Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o6.tw	Method	TBLASTX:Wheat
Start	7172	End	7423
GI	none	Score	94
Exons	7172..7291, 7173..7286, 7292..7423, 7293..7421		
Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o3.tw	Method	TBLASTX:Wheat
Start	7424	End	7786
GI	none	Score	142
Exons	7424..7786, 7491..7691		
Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18671	Strand	-
Start	15145	End	20947
Name	OJ991210_06.0110.C16.o4.gs	Method	GENSCAN
Start	15145	End	20947
GI	none	Score	.67
Exons	15145..15574, 16313..16427, 16882..16992, 17541..17786, 18664..18748, 20498..20539, 20726..20947		
Seq. No.	8763	Seq. ID	OJ991210_06.0110.C16
Gene No.	18672	Strand	
Start	22309	End	23440

Name	OJ991210_06.0110.C16.o2.tm	Method	TBLASTX:Maize
Start	22309	End	23440
GI	none	Score	169
Exons	22309..22458, 22316..22480, 22317..22490, 22317..22481, 22500..22574, 22501..22575, 22509..22577, 22578..22658, 22585..22635, 22630..22680, 22676..22795, 22689..22769, 22694..22771, 22774..22902, 22784..22900, 22910..22978, 22916..22978, 22920..22982, 22921..22980, 23160..23261, 23259..23303, 23343..23438, 23344..23439, 23345..23440		

Seq. No.	8764	Seq. ID	OJ991210_06.0110.C17
Gene No.	18673	Strand	-
Start	952	End	1604
Name	OJ991210_06.0110.C17.o1.gs	Method	GENSCAN
Start	952	End	1604
GI	none	Score	.68
Exons	952..1080, 1383..1604		

Seq. No.	8764	Seq. ID	OJ991210_06.0110.C17
Gene No.	18674	Strand	-
Start	2618	End	4405
Name	OJ991210_06.0110.C17.o2.gs	Method	GENSCAN
Start	2618	End	4405
GI	none	Score	.48
Exons	2618..2710, 2949..3060, 3669..3720, 4282..4405		

Seq. No.	8765	Seq. ID	OJ991210_06.0110.C19
Gene No.	18675	Strand	+
Start	64	End	163
Name	OJ991210_06.0110.C19.o1.gs	Method	GENSCAN
Start	64	End	163
GI	none	Score	.91
Exons	64..163		

Seq. No.	8766	Seq. ID	OJ991210_06.0110.C20
Gene No.	18676	Strand	+
Start	473	End	532
Name	OJ991210_06.0110.C20.o1.gs	Method	GENSCAN
Start	473	End	532
GI	none	Score	.8
Exons	473..532		

Seq. No.	8767	Seq. ID	OJ991210_06.0110.C22
Gene No.	18677	Strand	-
Start	2065	End	2715
Name	OJ991210_06.0110.C22.o1.np	Method	AAT/NAP
Start	2065	End	2715
GI	3746060	Score	673
Exons	2065..2715		
GI Descrip.	(AC005311) unknown protein [Arabidopsis thaliana]		

Seq. No.	8767	Seq. ID	OJ991210_06.0110.C22
Gene No.	18677	Strand	-
Start	2065	End	2715
Name	OJ991210_06.0110.C22.o1.tc	Method	TBLASTX:Cress
Start	2171	End	2567
GI	none	Score	171

Exons	2171..2563, 2409..2567		
Seq. No.	8767	Seq. ID	OJ991210_06.0110.C22
Gene No.	18677	Strand	-
Start	2065	End	2715
Name	OJ991210_06.0110.C22.o2.tm	Method	TBLASTX:Maize
Start	2171	End	2309
GI	none	Score	87
Exons	2171..2308, 2178..2309		
Seq. No.	8767	Seq. ID	OJ991210_06.0110.C22
Gene No.	18677	Strand	-
Start	2065	End	2715
Name	OJ991210_06.0110.C22.o1.ts	Method	TBLASTX:Soybean
Start	2177	End	2570
GI	none	Score	136
Exons	2177..2563, 2418..2570		
Seq. No.	8767	Seq. ID	OJ991210_06.0110.C22
Gene No.	18677	Strand	-
Start	2065	End	2715
Name	OJ991210_06.0110.C22.o1.tm	Method	TBLASTX:Maize
Start	2309	End	2570
GI	none	Score	83
Exons	2309..2563, 2362..2439, 2412..2570		
Seq. No.	8768	Seq. ID	OJ991210_06.0110.C23
Gene No.	18678	Strand	+
Start	210	End	1183
Name	OJ991210_06.0110.C23.o1.gs	Method	GENSCAN
Start	210	End	1183
GI	none	Score	.62
Exons	210..216, 327..434, 1080..1183		
Seq. No.	8769	Seq. ID	OJ991210_06.0110.C26
Gene No.	18679	Strand	+
Start	1	End	757
Name	OJ991210_06.0110.C26.o1.np	Method	AAT/NAP
Start	1	End	757
GI	2341031	Score	306
Exons	1..222, 359..497, 702..757		
GI Descrip.	(AC000104) F19P19.10 [Arabidopsis thaliana]		
Seq. No.	8769	Seq. ID	OJ991210_06.0110.C26
Gene No.	18679	Strand	+
Start	1	End	757
Name	OJ991210_06.0110.C26.o1.ts	Method	TBLASTX:Soybean
Start	58	End	457
GI	none	Score	231
Exons	58..225, 75..230, 76..225, 358..456, 359..457		
Seq. No.	8769	Seq. ID	OJ991210_06.0110.C26
Gene No.	18679	Strand	+
Start	1	End	757
Name	OJ991210_06.0110.C26.o1.tc	Method	TBLASTX:Cress
Start	59	End	463
GI	none	Score	61

Exons	59..220, 59..217, 66..233, 75..221, 76..264, 358..456, 359..463		
Seq. No.	8769	Seq. ID	OJ991210_06.0110.C26
Gene No.	18679	Strand	+
Start	1	End	757
Name	OJ991210_06.0110.C26.o1.tm	Method	TBLASTX:Maize
Start	61	End	451
GI	none	Score	240
Exons	61..222, 75..230, 76..225, 358..447, 359..451		
Seq. No.	8769	Seq. ID	OJ991210_06.0110.C26
Gene No.	18679	Strand	+
Start	1	End	757
Name	OJ991210_06.0110.C26.o1.gs	Method	GENSCAN
Start	74	End	454
GI	none	Score	.85
Exons	74..222, 359..454		
Seq. No.	8769	Seq. ID	OJ991210_06.0110.C26
Gene No.	18679	Strand	+
Start	1	End	757
Name	OJ991210_06.0110.C26.o1.gp	Method	AAT/GAP
Start	101	End	757
GI	16983_1.R1084	Score	342
Exons	101..222, 359..458, 738..757		
GI Descrip.	'1197461/emb|CAA55396| 1.0e-127 (X78819) casein kinase I [Arabidopsis thaliana]'		
Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18680	Strand	+
Start	1	End	6406
Name	OJ991210_06.0110.C27.o1.gp	Method	AAT/GAP
Start	1	End	1691
GI	16983_1.R1084	Score	1258
Exons	1..172, 333..394, 474..537, 646..730, 825..951, 1077..1150, 1235..1295, 1379..1467, 1593..1691		
GI Descrip.	'1197461/emb|CAA55396| 1.0e-127 (X78819) casein kinase I [Arabidopsis thaliana]'		
Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18680	Strand	+
Start	1	End	6406
Name	OJ991210_06.0110.C27.o1.np	Method	AAT/NAP
Start	1	End	1901
GI	4204297	Score	705
Exons	1..172, 333..394, 474..537, 646..730, 825..951, 1077..1134, 1246..1460, 1601..1901		
GI Descrip.	(AC003027) ADK1 [Arabidopsis thaliana]		
Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18680	Strand	+
Start	1	End	6406
Name	OJ991210_06.0110.C27.o1.gs	Method	GENSCAN
Start	102	End	6307
GI	none	Score	.73
Exons	102..172, 333..394, 474..537, 646..730, 825..951, 1077..1150, 1235..1295, 1379..1467, 1593..1902, 2284..2408, 2995..3066,		

3344..3546, 4218..4290, 4530..4866, 4998..5329, 5512..5831,
5995..6307

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18680	Strand	+
Start	1	End	6406
Name	OJ991210_06.0110.C27.o2.np	Method	AAT/NAP
Start	2835	End	6406
GI	995714	Score	347
Exons	2835..2912, 2995..3066, 3202..3291, 3392..3669, 3840..3941, 4218..4288, 5223..5245, 6374..6406		
GI Descrip.	(X91258) L3177 [Saccharomyces cerevisiae]		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18680	Strand	+
Start	1	End	6406
Name	OJ991210_06.0110.C27.o3.gp	Method	AAT/GAP
Start	4251	End	5054
GI	none	Score	778
Exons	4251..4290, 4530..4866, 4998..5054		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18680	Strand	+
Start	1	End	6406
Name	OJ991210_06.0110.C27.o4.gp	Method	AAT/GAP
Start	6144	End	6406
GI	none	Score	312
Exons	6144..6307, 6385..6406		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18681	Strand	-
Start	1763	End	2304
Name	OJ991210_06.0110.C27.o1.tm	Method	TBLASTX:Maize
Start	98	End	1859
GI	none	Score	91
Exons	98..172, 98..175, 99..173, 327..389, 327..392, 331..393, 331..399, 461..541, 472..537, 621..731, 643..732, 643..732, 644..748, 824..949, 824..952, 825..953, 1067..1150, 1075..1152, 1075..1149, 1228..1296, 1229..1297, 1240..1296, 1375..1446, 1378..1446, 1471..1509, 1592..1729, 1593..1730, 1594..1770, 1594..1758, 1778..1849, 1779..1859		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18681	Strand	-
Start	1763	End	2304
Name	OJ991210_06.0110.C27.o1.tc	Method	TBLASTX:Cress
Start	99	End	1137
GI	none	Score	137
Exons	99..173, 101..175, 321..389, 330..389, 331..393, 337..405, 469..537, 473..541, 631..732, 644..748, 649..771, 824..949, 824..952, 825..953, 1058..1132, 1067..1135, 1075..1137		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18681	Strand	-
Start	1763	End	2304
Name	OJ991210_06.0110.C27.o1.ts	Method	TBLASTX:Soybean
Start	99	End	1137

GI	none	Score	129
Exons	99..173, 101..175, 118..189, 327..389, 327..389, 331..393, 337..405, 465..524, 469..546, 473..541, 478..546, 643..732, 644..748, 814..924, 815..946, 822..944, 824..952, 825..953, 847..963, 1067..1132, 1075..1137		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18681	Strand	-
Start	1763	End	2304
Name	OJ991210_06.0110.C27.o1.tw	Method	TBLASTX:Wheat
Start	364	End	929
GI	none	Score	51
Exons	364..393, 469..546, 473..541, 643..729, 644..736, 824..913, 828..929, 842..928		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18681	Strand	-
Start	1763	End	2304
Name	OJ991210_06.0110.C27.o2.gp	Method	AAT/GAP
Start	1763	End	2304
GI	none	Score	988
Exons	1763..2304		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18682	Strand	
Start	2850	End	3626
Name	OJ991210_06.0110.C27.o2.ts	Method	TBLASTX:Soybean
Start	2850	End	3544
GI	none	Score	71
Exons	2850..2912, 2856..2912, 3004..3069, 3025..3060, 3201..3284, 3202..3255, 3383..3544, 3403..3543		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18682	Strand	
Start	2850	End	3626
Name	OJ991210_06.0110.C27.o2.tc	Method	TBLASTX:Cress
Start	2856	End	3580
GI	none	Score	84
Exons	2856..2912, 2992..3069, 2992..3072, 3201..3284, 3202..3255, 3383..3577, 3389..3580, 3406..3579		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18682	Strand	
Start	2850	End	3626
Name	OJ991210_06.0110.C27.o3.tm	Method	TBLASTX:Maize
Start	3037	End	3626
GI	none	Score	47
Exons	3037..3069, 3200..3280, 3201..3281, 3202..3255, 3202..3285, 3206..3283, 3382..3597, 3383..3598, 3384..3626		

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18683	Strand	
Start	4228	End	5151
Name	OJ991210_06.0110.C27.o4.tm	Method	TBLASTX:Maize
Start	4228	End	5151
GI	none	Score	118
Exons	4228..4290, 4228..4290, 4494..4742, 4505..4744, 4507..4743,		

4762..4848, 4762..4848, 4770..4850, 4988..5149, 4991..5149, 4996..5151, 5022..5150

Seq. No.	8770	Seq. ID	OJ991210_06.0110.C27
Gene No.	18684	Strand	
Start	5518	End	5796
Name	OJ991210_06.0110.C27.o2.tm	Method	TBLASTX:Maize
Start	5518	End	5796
GI	none	Score	378
Exons	5518..5796, 5518..5790, 5526..5795		

Seq. No.	8771	Seq. ID	OJ991210_06.0110.C28
Gene No.	18685	Strand	+
Start	151	End	1633
Name	OJ991210_06.0110.C28.o1.gp	Method	AAT/GAP
Start	151	End	1497
GI	uC-osf1M202046e10b1	Score	826
Exons	151..432, 810..905, 1435..1497		
GI Descrip.	'4490706/emb|CAB38840.1| 1.0e-19 (AL035680) putative protein [Arabidopsis thaliana]'		

Seq. No.	8771	Seq. ID	OJ991210_06.0110.C28
Gene No.	18685	Strand	+
Start	151	End	1633
Name	OJ991210_06.0110.C28.o1.gs	Method	GENSCAN
Start	227	End	905
GI	none	Score	.63
Exons	227..432, 810..905		

Seq. No.	8771	Seq. ID	OJ991210_06.0110.C28
Gene No.	18685	Strand	+
Start	151	End	1633
Name	OJ991210_06.0110.C28.o1.np	Method	AAT/NAP
Start	873	End	1633
GI	5701787	Score	116
Exons	873..905, 1435..1558, 1611..1633		
GI Descrip.	(AL021749) putative protein [Arabidopsis thaliana]		

Seq. No.	8772	Seq. ID	OJ991210_06.0110.C29
Gene No.	18686	Strand	+
Start	1	End	5953
Name	OJ991210_06.0110.C29.o1.np	Method	AAT/NAP
Start	1	End	1996
GI	4490706	Score	522
Exons	1..100, 930..1144, 1229..1339, 1548..1793, 1895..1996		
GI Descrip.	(AL035680) putative protein [Arabidopsis thaliana]		

Seq. No.	8772	Seq. ID	OJ991210_06.0110.C29
Gene No.	18686	Strand	+
Start	1	End	5953
Name	OJ991210_06.0110.C29.o1.gs	Method	GENSCAN
Start	4	End	4481
GI	none	Score	.79
Exons	4..133, 975..1118, 1242..1339, 1548..1793, 1895..1978, 3621..3705, 3937..4481		

Seq. No.	8772	Seq. ID	OJ991210_06.0110.C29

Gene No.	18686	Strand	+
Start	1	End	5953
Name	OJ991210_06.0110.C29.o1.tm	Method	TBLASTX:Maize
Start	1027	End	1628
GI	none	Score	130
Exons	1027..1116, 1028..1147, 1029..1127, 1240..1338, 1240..1353, 1241..1342, 1533..1628, 1547..1612, 1548..1619		

Seq. No.	8772	Seq. ID	OJ991210_06.0110.C29
Gene No.	18686	Strand	+
Start	1	End	5953
Name	OJ991210_06.0110.C29.o2.np	Method	AAT/NAP
Start	3648	End	5953
GI	2459428	Score	124
Exons	3648..3709, 3944..4040, 5891..5953		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	8773	Seq. ID	OJ991210_06.0110.C30
Gene No.	18687	Strand	-
Start	301	End	530
Name	OJ991210_06.0110.C30.o1.gs	Method	GENSCAN
Start	301	End	530
GI	none	Score	.92
Exons	301..530		

Seq. No.	8774	Seq. ID	OJ991210_06.0110.C31
Gene No.	18688	Strand	-
Start	542	End	745
Name	OJ991210_06.0110.C31.o1.gs	Method	GENSCAN
Start	542	End	745
GI	none	Score	.41
Exons	542..745		

Seq. No.	8775	Seq. ID	OJ991210_06.0110.C32
Gene No.	18689	Strand	-
Start	538	End	619
Name	OJ991210_06.0110.C32.o1.gs	Method	GENSCAN
Start	538	End	619
GI	none	Score	.55
Exons	538..619		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18690	Strand	+
Start	2507	End	4926
Name	OJ991210_06.0110.C33.o2.gs	Method	GENSCAN
Start	2507	End	4926
GI	none	Score	1
Exons	2507..2705, 3758..4044, 4417..4926		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18690	Strand	+
Start	2507	End	4926
Name	OJ991210_06.0110.C33.o1.np	Method	AAT/NAP
Start	2522	End	4922
GI	5679845	Score	424
Exons	2522..2724, 3702..4076, 4417..4462, 4527..4922		
GI Descrip.	(AJ243961) 11332.9 [Oryza sativa]		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18691	Strand	-
Start	1513	End	2076
Name	OJ991210_06.0110.C33.o1.gs	Method	GENSCAN
Start	1513	End	2076
GI	none	Score	.61
Exons	1513..1978, 2075..2076		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18692	Strand	-
Start	4560	End	5054
Name	OJ991210_06.0110.C33.o1.gp	Method	AAT/GAP
Start	4560	End	5054
GI	none	Score	910
Exons	4560..5054		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18693	Strand	-
Start	6333	End	7165
Name	OJ991210_06.0110.C33.o1.ts	Method	TBLASTX:Soybean
Start	2519	End	4023
GI	none	Score	113
Exons	2519..2608, 2536..2601, 2660..2704, 2666..2704, 3763..3900, 3777..3893, 3919..4023, 3927..4022		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18693	Strand	-
Start	6333	End	7165
Name	OJ991210_06.0110.C33.o1.tc	Method	TBLASTX:Cress
Start	2528	End	4032
GI	none	Score	104
Exons	2528..2608, 2666..2704, 3763..3900, 3777..3878, 3927..4022, 3928..4032		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18693	Strand	-
Start	6333	End	7165
Name	OJ991210_06.0110.C33.o1.tm	Method	TBLASTX:Maize
Start	2528	End	4023
GI	none	Score	100
Exons	2528..2608, 2530..2604, 2534..2608, 2660..2704, 3762..3866, 3762..3911, 3763..3894, 3898..4023, 3909..4010		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18693	Strand	-
Start	6333	End	7165
Name	OJ991210_06.0110.C33.o1.tw	Method	TBLASTX:Wheat
Start	3781	End	4038
GI	none	Score	138
Exons	3781..3888, 3783..3878, 3930..4010, 3934..4038		

Seq. No.	8776	Seq. ID	OJ991210_06.0110.C33
Gene No.	18693	Strand	-
Start	6333	End	7165
Name	OJ991210_06.0110.C33.o3.gs	Method	GENSCAN
Start	6333	End	7165

GI	none	Score	.8
Exons	6333..6471, 7104..7165		

Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18694	Strand	+
Start	5466	End	8939
Name	OJ991210_01.0110.C1.o2.gs	Method	GENSCAN
Start	5466	End	8860
GI	none	Score	.66
Exons	5466..5903, 6989..7521, 7622..7747, 8117..8216, 8341..8405, 8509..8611, 8722..8860		

Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18694	Strand	+
Start	5466	End	8939
Name	OJ991210_01.0110.C1.o1.np	Method	AAT/NAP
Start	5489	End	8939
GI	3377817	Score	928
Exons	5489..5598, 5675..5907, 6993..7525, 7650..7747, 8117..8204, 8341..8405, 8509..8611, 8722..8769, 8850..8939		
GI Descrip.	(AF076275) contains similarity to C3HC4-type zinc fingers (Pfam: zf-C3HC4.hmm, score: 29.48) [Arabidopsis thaliana]		

Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18694	Strand	+
Start	5466	End	8939
Name	OJ991210_01.0110.C1.o3.gp	Method	AAT/GAP
Start	7675	End	8911
GI	uC-osflcyp025h12b1	Score	871
Exons	7675..7747, 8117..8216, 8341..8405, 8509..8611, 8722..8911		
GI Descrip.	'3377817 6.0e-50 (AF076275) contains similarity to C3HC4-type zinc fingers (Pfam: zf-C3HC4.hmm, score: 29.48) [Arabidopsis thaliana]'		

Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18695	Strand	-
Start	1	End	462
Name	OJ991210_01.0110.C1.o1.gp	Method	AAT/GAP
Start	1	End	462
GI	3760135	Score	858
Exons	1..462		

Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18696	Strand	-
Start	367	End	2429
Name	OJ991210_01.0110.C1.o2.tm	Method	TBLASTX:Maize
Start	363	End	1346
GI	none	Score	325
Exons	363..446, 389..637, 391..651, 392..637, 504..656, 755..817, 776..811, 1298..1345, 1305..1346		

Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18696	Strand	-
Start	367	End	2429
Name	OJ991210_01.0110.C1.o1.gs	Method	GENSCAN
Start	367	End	2429
GI	none	Score	.95

Exons	367..503, 534..636, 755..815, 1326..1430, 1993..2055, 2419..2429		
Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18696	Strand	-
Start	367	End	2429
Name	OJ991210_01.0110.C1.o2.gp	Method	AAT/GAP
Start	1342	End	2046
GI	2311977	Score	552
Exons	1342..1430, 1850..2046		
Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18697	Strand	
Start	5171	End	5903
Name	OJ991210_01.0110.C1.o1.tm	Method	TBLASTX:Maize
Start	5171	End	5903
GI	none	Score	356
Exons	5171..5320, 5313..5345, 5439..5648, 5444..5647, 5688..5783, 5705..5740, 5838..5903, 5849..5902		
Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18697	Strand	
Start	5171	End	5903
Name	OJ991210_01.0110.C1.o1.tc	Method	TBLASTX:Cress
Start	5448	End	5783
GI	none	Score	85
Exons	5448..5540, 5477..5539, 5520..5642, 5522..5644, 5691..5783		
Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18698	Strand	
Start	6937	End	8880
Name	OJ991210_01.0110.C1.o1.tw	Method	TBLASTX:Wheat
Start	6937	End	7138
GI	none	Score	42
Exons	6937..6981, 6988..7137, 6989..7138		
Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18698	Strand	
Start	6937	End	8880
Name	OJ991210_01.0110.C1.o2.tc	Method	TBLASTX:Cress
Start	6989	End	8880
GI	none	Score	58
Exons	6989..7027, 8105..8197, 8115..8255, 8115..8222, 8340..8411, 8341..8403, 8507..8611, 8563..8613, 8733..8792, 8737..8880		
Seq. No.	8777	Seq. ID	OJ991210_01.0110.C1
Gene No.	18698	Strand	
Start	6937	End	8880
Name	OJ991210_01.0110.C1.o3.tm	Method	TBLASTX:Maize
Start	8375	End	8876
GI	none	Score	60
Exons	8375..8401, 8377..8403, 8507..8611, 8522..8611, 8721..8876, 8722..8871		
Seq. No.	8778	Seq. ID	OJ991210_01.0110.C2
Gene No.	18699	Strand	+
Start	1	End	566
Name	OJ991210_01.0110.C2.o1.gp	Method	AAT/GAP

Start	1	End	252
GI	none	Score	495
Exons	1..252		

Seq. No.	8778	Seq. ID	OJ991210_01.0110.C2
Gene No.	18699	Strand	+
Start	1	End	566
Name	OJ991210_01.0110.C2.o1.gs	Method	GENSCAN
Start	49	End	566
GI	none	Score	.95
Exons	49..566		

Seq. No.	8778	Seq. ID	OJ991210_01.0110.C2
Gene No.	18700	Strand	-
Start	548	End	901
Name	OJ991210_01.0110.C2.o2.gp	Method	AAT/GAP
Start	548	End	901
GI	none	Score	678
Exons	548..901		

Seq. No.	8778	Seq. ID	OJ991210_01.0110.C2
Gene No.	18701	Strand	-
Start	1642	End	2022
Name	OJ991210_01.0110.C2.o3.gp	Method	AAT/GAP
Start	1642	End	2022
GI	uC-osf1cyp015e12b1	Score	642
Exons	1642..2022		
GI Descrip.	'2443329/dbj|BAA22374| 9.0e-37 (D86122) Mei2-like protein [Arabidopsis thaliana]'		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18702	Strand	+
Start	9290	End	16178
Name	OJ991210_01.0110.C3.o2.gs	Method	GENSCAN
Start	9290	End	15961
GI	none	Score	.77
Exons	9290..9344, 9570..9631, 9711..9765, 13053..13132, 13187..13572, 14258..14351, 14446..14517, 14655..14766, 15159..15307, 15911..15961		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18702	Strand	+
Start	9290	End	16178
Name	OJ991210_01.0110.C3.o5.gp	Method	AAT/GAP
Start	13126	End	16178
GI	14636_1.R1084	Score	1905
Exons	13126..13321, 13421..13572, 14258..14351, 14446..14517, 14655..14766, 15159..15307, 15911..16178		
GI Descrip.	'4680707/gb|AAD27743.1|AF132968_1 1.0e-33 (AF132968) CGI-34 protein [Homo sapiens]'		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18702	Strand	+
Start	9290	End	16178
Name	OJ991210_01.0110.C3.o2.np	Method	AAT/NAP
Start	13253	End	15316
GI	6119520	Score	759

Exons	13253..13321, 13421..13572, 14258..14351, 14446..14517, 14655..14766, 15159..15316		
GI Descrip.	(AC011560) unknown protein [Arabidopsis thaliana]		
Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18703	Strand	-
Start	1	End	7224
Name	OJ991210_01.0110.C3.o1.np	Method	AAT/NAP
Start	1	End	5318
GI	2443329	Score	866
Exons	1..243, 477..545, 630..714, 819..1935, 2582..2698, 2777..2893, 3276..3434, 3530..3866, 5260..5318		
GI Descrip.	(D86122) Mei2-like protein [Arabidopsis thaliana]		
Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18703	Strand	-
Start	1	End	7224
Name	OJ991210_01.0110.C3.o1.gp	Method	AAT/GAP
Start	61	End	261
GI	uC-osflcyp015e12b1	Score	326
Exons	61..261		
GI Descrip.	'2443329/dbj|BAA22374| 9.0e-37 (D86122) Mei2-like protein [Arabidopsis thaliana]'		
Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18703	Strand	-
Start	1	End	7224
Name	OJ991210_01.0110.C3.o1.gs	Method	GENSCAN
Start	64	End	7224
GI	none	Score	.82
Exons	64..243, 477..609, 819..1024, 1270..1413, 1695..1922, 2582..2698, 2777..2893, 3276..3434, 3530..3930, 4090..4407, 4932..5079, 5187..5204, 6654..6692, 7213..7224		
Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18703	Strand	-
Start	1	End	7224
Name	OJ991210_01.0110.C3.o2.gp	Method	AAT/GAP
Start	671	End	1199
GI	LIB3433-036-P1-K1-H4	Score	780
Exons	671..714, 819..1199		
GI Descrip.	'2443329/dbj|BAA22374| 3.0e-17 (D86122) Mei2-like protein [Arabidopsis thaliana]'		
Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18703	Strand	-
Start	1	End	7224
Name	OJ991210_01.0110.C3.o3.gp	Method	AAT/GAP
Start	3261	End	3795
GI	uC-osflcyp002d10b1	Score	772
Exons	3261..3434, 3530..3795		
GI Descrip.	'4544473/gb|AAD22380.1|AC006580_12 6.0e-25 (AC006580) putative mei2 protein [Arabidopsis thaliana]'		
Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435

Name	OJ991210_01.0110.C3.o1.tc	Method	TBLASTX:Cress
Start	62	End	3916
GI	none	Score	224
Exons	62..241, 62..241, 64..252, 64..246, 471..548, 484..546, 630..728, 630..743, 816..851, 818..952, 878..1036, 2579..2665, 2774..2893, 3276..3443, 3298..3441, 3530..3601, 3680..3748, 3793..3846, 3824..3916		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	62	End	1192
GI	none	Score	211
Exons	62..244, 64..246, 64..246, 471..548, 481..546, 481..552, 629..700, 630..743, 631..720, 815..955, 818..973, 986..1027, 1070..1192		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o2.ts	Method	TBLASTX:Soybean
Start	62	End	976
GI	none	Score	213
Exons	62..235, 67..246, 68..235, 471..548, 484..546, 502..552, 626..700, 630..743, 631..717, 816..854, 818..874, 939..968, 941..976		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o1.tw	Method	TBLASTX:Wheat
Start	680	End	1216
GI	none	Score	60
Exons	680..718, 680..718, 681..743, 815..1213, 816..1214, 817..1215, 818..1216		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o4.tm	Method	TBLASTX:Maize
Start	1669	End	1987
GI	none	Score	108
Exons	1669..1839, 1674..1790, 1790..1987, 1795..1980		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o3.ts	Method	TBLASTX:Soybean
Start	2624	End	3607
GI	none	Score	69
Exons	2624..2668, 2750..2890, 2756..2896, 3275..3409, 3276..3443, 3280..3441, 3333..3443, 3530..3607, 3537..3605		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435

Name	OJ991210_01.0110.C3.o3.tm	Method	TBLASTX:Maize
Start	2805	End	3631
GI	none	Score	62
Exons	2805..2894, 3274..3435, 3276..3443, 3288..3440, 3316..3453, 3530..3631, 3534..3605		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o1.ts	Method	TBLASTX:Soybean
Start	13252	End	15961
GI	none	Score	102
Exons	13252..13317, 13253..13327, 13418..13576, 13420..13575, 13436..13576, 14255..14350, 14259..14354, 14259..14354, 14445..14522, 14446..14517, 14646..14762, 14649..14780, 15117..15191, 15170..15259, 15247..15288, 15911..15961		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o2.tm	Method	TBLASTX:Maize
Start	13252	End	15213
GI	none	Score	115
Exons	13252..13317, 13253..13327, 13403..13576, 13418..13576, 14257..14349, 14259..14378, 14259..14354, 14445..14516, 14446..14517, 14446..14517, 14646..14774, 14649..14780, 14659..14781, 15102..15149, 15158..15211, 15159..15206, 15160..15213		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o2.tc	Method	TBLASTX:Cress
Start	13253	End	15964
GI	none	Score	102
Exons	13253..13327, 13261..13320, 13418..13576, 13420..13575, 14255..14350, 14259..14354, 14259..14354, 14445..14522, 14446..14517, 14646..14774, 14649..14780, 15126..15191, 15186..15275, 15191..15259, 15209..15292, 15911..15964		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o3.gs	Method	GENSCAN
Start	18064	End	19303
GI	none	Score	.78
Exons	18064..18171, 18620..18706, 18824..18958, 19139..19303		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o3.np	Method	AAT/NAP
Start	18158	End	19435
GI	5923912	Score	297
Exons	18158..18434, 18615..18706, 18824..18958, 19088..19268, 19339..19435		
GI Descrip.	(AF185269) bHLH transcription factor GBOF-1 [Tulipa gesneriana]		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o5.tm	Method	TBLASTX:Maize
Start	18643	End	19284
GI	none	Score	72
Exons	18643..18711, 18645..18707, 18656..18712, 18818..18958, 18818..18958, 18825..18959, 19083..19148, 19085..19147, 19086..19163, 19088..19150, 19249..19284		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o4.ts	Method	TBLASTX:Soybean
Start	18644	End	19147
GI	none	Score	39
Exons	18644..18712, 18675..18707, 18821..18958, 18822..18920, 18824..18958, 19083..19139, 19085..19147		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o2.tw	Method	TBLASTX:Wheat
Start	18668	End	19147
GI	none	Score	107
Exons	18668..18712, 18818..18952, 18818..18958, 19085..19147, 19086..19145		

Seq. No.	8779	Seq. ID	OJ991210_01.0110.C3
Gene No.	18704	Strand	-
Start	18064	End	19435
Name	OJ991210_01.0110.C3.o3.tc	Method	TBLASTX:Cress
Start	18668	End	19159
GI	none	Score	123
Exons	18668..18712, 18818..18958, 18825..18914, 19083..19148, 19085..19147, 19097..19159		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18705	Strand	+
Start	4528	End	7066
Name	OJ991210_01.0110.C4.o2.gp	Method	AAT/GAP
Start	4528	End	7013
GI	3461_2.R1084	Score	1249
Exons	4528..4637, 4737..4925, 5678..5828, 5933..5959, 6525..6654, 6742..6827, 6914..7013		
GI Descrip.	'461899/sp|P34791|CYP4_ARATH 2.0e-59 PEPTIDYL-PROLYL CIS-TRANS ISOMERASE, CHLOROPLAST PRECURSOR (PPIASE) (ROTAMASE) (CYCLOPHILIN) (CYCLOSPORIN A-BINDING PROTEIN) >gi_1076368_pir__B53422 peptidylprolyl isomerase (EC 5.2.1.8) ROC4 - Arabidopsis thaliana >gi_405131 (L14845) cyclophilin [Arabidopsis thaliana] >gi_1322278 (U42724) cyclophilin [Arabidopsis thaliana]'		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18705	Strand	+
Start	4528	End	7066

Name	OJ991210_01.0110.C4.o1.np	Method	AAT/NAP
Start	5682	End	7066
GI	461899	Score	429
Exons	5682..5828, 5933..6021, 6600..6654, 6742..6827, 6914..7066		
GI Descrip.	PEPTIDYL-PROLYL CIS-TRANS ISOMERASE, CHLOROPLAST PRECURSOR (PPIASE) (ROTAMASE) (CYCLOPHILIN) (CYCLOSPORIN A-BINDING PROTEIN) gi|1076368|pir||B53422 peptidylprolyl isomerase (EC 5.2.1.8) ROC4 - Arabidopsis thaliana gi|405131 (L14845) cyclophilin [Arabidopsis thaliana] gi|1322278 (U42724) cyclophilin [Arabidopsis thaliana] gi|6899901|emb|CAB71910.1| (AL138642) peptidy		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18706	Strand	+
Start	8647	End	9252
Name	OJ991210_01.0110.C4.o3.gp	Method	AAT/GAP
Start	8647	End	9252
GI	42373_1.R1084	Score	1133
Exons	8647..9252		
GI Descrip.	'6091734/gb|AAF03446.1|AC010797_22 3.0e-16 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18706	Strand	+
Start	8647	End	9252
Name	OJ991210_01.0110.C4.o2.np	Method	AAT/NAP
Start	8751	End	9022
GI	6523097	Score	211
Exons	8751..9022		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18707	Strand	+
Start	12332	End	12595
Name	OJ991210_01.0110.C4.o3.np	Method	AAT/NAP
Start	12332	End	12595
GI	6523097	Score	218
Exons	12332..12595		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18707	Strand	+
Start	12332	End	12595
Name	OJ991210_01.0110.C4.o4.gs	Method	GENSCAN
Start	12332	End	12541
GI	none	Score	.95
Exons	12332..12541		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18708	Strand	-
Start	35	End	3598
Name	OJ991210_01.0110.C4.o1.gs	Method	GENSCAN
Start	35	End	3573
GI	none	Score	.6
Exons	35..234, 1555..1603, 1866..1937, 2286..2394, 2481..2579, 3395..3573		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18708	Strand	-
Start	35	End	3598
Name	OJ991210_01.0110.C4.o1.gp	Method	AAT/GAP
Start	1462	End	3598
GI	none	Score	1137
Exons	1462..1605, 1862..1937, 2286..2394, 2481..2579, 3395..3598		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18709	Strand	-
Start	9677	End	10381
Name	OJ991210_01.0110.C4.o3.gs	Method	GENSCAN
Start	9677	End	10381
GI	none	Score	.91
Exons	9677..9834, 10273..10381		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18710	Strand	-
Start	11964	End	12916
Name	OJ991210_01.0110.C4.o4.gp	Method	AAT/GAP
Start	11964	End	12916
GI	2496_1.R1084	Score	1875
Exons	11964..12916		
GI Descrip.	'6091733/gb|AAF03445.1|AC010797_21 3.0e-17 (AC010797) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18711	Strand	-
Start	14826	End	15368
Name	OJ991210_01.0110.C4.o5.gs	Method	GENSCAN
Start	14826	End	15368
GI	none	Score	.91
Exons	14826..15368		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18711	Strand	-
Start	14826	End	15368
Name	OJ991210_01.0110.C4.o4.np	Method	AAT/NAP
Start	14832	End	15368
GI	5281045	Score	327
Exons	14832..15368		
GI Descrip.	(AL080318) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18711	Strand	-
Start	14826	End	15368
Name	OJ991210_01.0110.C4.o5.gp	Method	AAT/GAP
Start	14958	End	15287
GI	none	Score	649
Exons	14958..15287		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o5.tm	Method	TBLASTX:Maize
Start	1488	End	3516
GI	none	Score	36

Exons	1488..1508, 1494..1604, 1521..1604, 1525..1605, 1851..1943, 1859..1945, 1861..1950, 1861..1944, 2237..2392, 2278..2394, 2286..2393, 2453..2578, 2472..2615, 3391..3516, 3394..3498, 3395..3514		
Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o4.ts	Method	TBLASTX:Soybean
Start	1490	End	3507
GI	none	Score	74
Exons	1490..1606, 1494..1604, 1851..1943, 1859..1939, 1861..1944, 1869..1949, 2286..2396, 2293..2394, 2483..2578, 2484..2579, 3391..3507		
Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o3.tw	Method	TBLASTX:Wheat
Start	2328	End	3499
GI	none	Score	61
Exons	2328..2393, 2329..2394, 2453..2578, 2472..2621, 3391..3498, 3395..3499		
Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o1.tm	Method	TBLASTX:Maize
Start	4767	End	7066
GI	none	Score	40
Exons	4767..4808, 4784..4807, 4823..4930, 4824..4925, 5675..5842, 5675..5830, 5677..5838, 5929..6021, 5932..6021, 6597..6653, 6599..6655, 6600..6653, 6735..6827, 6749..6817, 6908..7066, 6913..7044		
Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o1.ts	Method	TBLASTX:Soybean
Start	5675	End	7065
GI	none	Score	244
Exons	5675..5842, 5677..5838, 5929..6021, 5931..5957, 6599..6652, 6600..6650, 6735..6827, 6749..6814, 6908..7057, 6913..7065, 6913..7041		
Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o1.tc	Method	TBLASTX:Cress
Start	5690	End	7060
GI	none	Score	139
Exons	5690..5782, 5690..5773, 5744..5842, 5782..5838, 5929..6021, 5931..5957, 6599..6655, 6600..6653, 6735..6833, 6752..6817, 6907..7041, 6908..7060		
Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-

Start	15894	End	19329
Name	OJ991210_01.0110.C4.o2.tw	Method	TBLASTX:Wheat
Start	5744	End	7054
GI	none	Score	110
Exons	5744..5839, 5776..5838, 5931..5957, 6599..6646, 6600..6650, 6735..6824, 6749..6817, 6772..6822, 6919..7008, 6920..7033, 7022..7054		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o2.ts	Method	TBLASTX:Soybean
Start	8744	End	12549
GI	none	Score	258
Exons	8744..8980, 8751..8981, 12331..12549, 12332..12535		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o3.tc	Method	TBLASTX:Cress
Start	8747	End	12517
GI	none	Score	173
Exons	8747..8935, 8751..8936, 12317..12517, 12331..12516		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o4.tm	Method	TBLASTX:Maize
Start	8747	End	12529
GI	none	Score	73
Exons	8747..8809, 8747..8989, 8751..8960, 12317..12529, 12331..12528		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o1.tw	Method	TBLASTX:Wheat
Start	8750	End	12529
GI	none	Score	216
Exons	8750..8980, 8751..8966, 12331..12528, 12332..12529		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o2.tm	Method	TBLASTX:Maize
Start	14777	End	15380
GI	none	Score	48
Exons	14777..14830, 14827..15120, 14828..15115, 14859..15119, 15062..15199, 15177..15257, 15185..15373, 15279..15380, 15306..15377		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o6.gs	Method	GENSCAN
Start	15894	End	19112
GI	none	Score	.75
Exons	15894..15901, 15957..16126, 17078..17157, 17254..17424,		

17529..17630, 17887..18033, 18441..18566, 18949..19112

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o3.tm	Method	TBLASTX:Maize
Start	16836	End	17603
GI	none	Score	36
Exons	16836..16892, 16877..16930, 17074..17160, 17078..17161, 17080..17157, 17275..17427, 17276..17428, 17277..17426, 17278..17448, 17524..17601, 17527..17577, 17529..17603		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o5.np	Method	AAT/NAP
Start	16852	End	19329
GI	6175185	Score	683
Exons	16852..16909, 17078..17157, 17254..17424, 17529..17630, 17827..18033, 18441..18566, 18949..19035, 19166..19329		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o3.ts	Method	TBLASTX:Soybean
Start	16861	End	17355
GI	none	Score	50
Exons	16861..16911, 17077..17160, 17078..17161, 17254..17295, 17255..17296, 17290..17355		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o2.tc	Method	TBLASTX:Cress
Start	17077	End	17410
GI	none	Score	61
Exons	17077..17139, 17254..17409, 17255..17410		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o7.gp	Method	AAT/GAP
Start	17373	End	18033
GI	none	Score	632
Exons	17373..17424, 17529..17630, 17746..17808, 17887..18033		

Seq. No.	8780	Seq. ID	OJ991210_01.0110.C4
Gene No.	18712	Strand	-
Start	15894	End	19329
Name	OJ991210_01.0110.C4.o6.tm	Method	TBLASTX:Maize
Start	17872	End	19021
GI	none	Score	146
Exons	17872..18024, 17906..18025, 17908..18033, 17912..18046, 18439..18567, 18441..18581, 18441..18590, 18458..18607, 18654..18677, 18953..19021, 18961..19011		

Seq. No.	8781	Seq. ID	OJ991210_01.0110.C5
Gene No.	18713	Strand	+
Start	189	End	542
Name	OJ991210_01.0110.C5.o1.np	Method	AAT/NAP
Start	189	End	542
GI	4336889	Score	126
Exons	189..411, 516..542		
GI Descrip.	(AF107254) cyclophilin B; CYPB [Emericella nidulans]		

Seq. No.	8781	Seq. ID	OJ991210_01.0110.C5
Gene No.	18713	Strand	+
Start	189	End	542
Name	OJ991210_01.0110.C5.o1.gp	Method	AAT/GAP
Start	258	End	542
GI	3461_2.R1084	Score	317
Exons	258..411, 516..542		
GI Descrip.	'461899/sp|P34791|CYP4_ARATH 2.0e-59 PEPTIDYL-PROLYL CIS-TRANS ISOMERASE, CHLOROPLAST PRECURSOR (PPIASE) (ROTAMASE) (CYCLOPHILIN) (CYCLOSPORIN A-BINDING PROTEIN) >gi_1076368_pir__B53422 peptidylprolyl isomerase (EC 5.2.1.8) ROC4 - Arabidopsis thaliana >gi_405131 (L14845) cyclophilin [Arabidopsis thaliana] >gi_1322278 (U42724) cyclophilin [Arabidopsis thaliana]'		

Seq. No.	8781	Seq. ID	OJ991210_01.0110.C5
Gene No.	18713	Strand	+
Start	189	End	542
Name	OJ991210_01.0110.C5.o1.ts	Method	TBLASTX:Soybean
Start	258	End	541
GI	none	Score	244
Exons	258..425, 260..421, 512..541, 514..540		

Seq. No.	8781	Seq. ID	OJ991210_01.0110.C5
Gene No.	18713	Strand	+
Start	189	End	542
Name	OJ991210_01.0110.C5.o1.tm	Method	TBLASTX:Maize
Start	258	End	541
GI	none	Score	277
Exons	258..425, 258..413, 260..421, 512..541, 514..540		

Seq. No.	8781	Seq. ID	OJ991210_01.0110.C5
Gene No.	18713	Strand	+
Start	189	End	542
Name	OJ991210_01.0110.C5.o1.gs	Method	GENSCAN
Start	261	End	411
GI	none	Score	.72
Exons	261..411		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18714	Strand	+
Start	4364	End	5220
Name	OJ991210_01.0110.C6.o3.gs	Method	GENSCAN
Start	4364	End	5220
GI	none	Score	.78
Exons	4364..4492, 5152..5220		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6

Gene No.	18715	Strand	+
Start	6836	End	7218
Name	OJ991210_01.0110.C6.o1.gp	Method	AAT/GAP
Start	6836	End	7218
GI	none	Score	718
Exons	6836..7218		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18716	Strand	+
Start	15883	End	23031
Name	OJ991210_01.0110.C6.o6.gs	Method	GENSCAN
Start	15883	End	23031
GI	none	Score	.6
Exons	15883..16092, 16140..16231, 16549..16847, 17080..17430, 18491..18529, 18940..19003, 19050..19101, 21030..21158, 21835..21904, 22666..22756, 22944..23031		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18716	Strand	+
Start	15883	End	23031
Name	OJ991210_01.0110.C6.o6.np	Method	AAT/NAP
Start	16429	End	20269
GI	4680203	Score	818
Exons	16429..17666, 20251..20269		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18716	Strand	+
Start	15883	End	23031
Name	OJ991210_01.0110.C6.o7.np	Method	AAT/NAP
Start	20901	End	21918
GI	6539571	Score	90
Exons	20901..21164, 21835..21918		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18717	Strand	+
Start	30581	End	31678
Name	OJ991210_01.0110.C6.o8.gs	Method	GENSCAN
Start	30581	End	31678
GI	none	Score	.63
Exons	30581..31678		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18718	Strand	+
Start	31773	End	32240
Name	OJ991210_01.0110.C6.o3.gp	Method	AAT/GAP
Start	31773	End	32240
GI	4716739	Score	932
Exons	31773..32240		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18719	Strand	+
Start	35352	End	37318
Name	OJ991210_01.0110.C6.o9.gs	Method	GENSCAN
Start	35352	End	37318
GI	none	Score	.56

Exons	35352..35512, 35624..36038, 37232..37318		
Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18720	Strand	+
Start	45129	End	46673
Name	OJ991210_01.0110.C6.o12.gs	Method	GENSCAN
Start	45129	End	46673
GI	none	Score	.95
Exons	45129..45854, 45987..46067, 46158..46272, 46567..46673		
Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18721	Strand	-
Start	1702	End	4035
Name	OJ991210_01.0110.C6.o2.gs	Method	GENSCAN
Start	1702	End	4035
GI	none	Score	.5
Exons	1702..3004, 3146..4035		
Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18722	Strand	-
Start	13620	End	15143
Name	OJ991210_01.0110.C6.o5.gs	Method	GENSCAN
Start	13620	End	15143
GI	none	Score	.64
Exons	13620..13730, 13908..14158, 14354..14555, 14928..15143		
Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18723	Strand	-
Start	23665	End	26618
Name	OJ991210_01.0110.C6.o7.gs	Method	GENSCAN
Start	23665	End	26618
GI	none	Score	.44
Exons	23665..24180, 25103..25232, 26551..26618		
Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18724	Strand	-
Start	27616	End	27704
Name	OJ991210_01.0110.C6.o2.gp	Method	AAT/GAP
Start	27616	End	27704
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	27616..27704		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18725	Strand	-
Start	38246	End	38821
Name	OJ991210_01.0110.C6.o10.gs	Method	GENSCAN
Start	38246	End	38821
GI	none	Score	.81
Exons	38246..38433, 38626..38821		
Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o1.ts	Method	TBLASTX:Soybean

Start	1759	End	2346
GI	none	Score	124
Exons	1759..2082, 1772..1996, 1852..2037, 2143..2346		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o2.tm	Method	TBLASTX:Maize
Start	1771	End	3006
GI	none	Score	34
Exons	1771..1845, 1772..1816, 1846..2082, 1877..1990, 2143..2835, 2408..2824, 2893..3006		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o8.tw	Method	TBLASTX:Wheat
Start	2498	End	2835
GI	none	Score	148
Exons	2498..2809, 2498..2614, 2500..2814, 2506..2808, 2791..2835		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o9.ts	Method	TBLASTX:Soybean
Start	2794	End	3456
GI	none	Score	164
Exons	2794..2991, 3139..3228, 3226..3456		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o3.tm	Method	TBLASTX:Maize
Start	3160	End	3726
GI	none	Score	44
Exons	3160..3219, 3163..3213, 3223..3510, 3224..3505, 3227..3523, 3544..3726		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o13.tm	Method	TBLASTX:Maize
Start	7465	End	9469
GI	none	Score	73
Exons	7465..7617, 9290..9469, 9305..9415, 9318..9452		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o1.tm	Method	TBLASTX:Maize
Start	9554	End	24057
GI	none	Score	371
Exons	9554..10018, 9581..10015, 9709..10017, 9955..10173, 10034..10441, 10052..10180, 10053..10190, 10225..10413, 10510..10536, 14076..14408, 23775..23825, 23896..24057		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6

Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o11.tw	Method	TBLASTX:Wheat
Start	9605	End	9835
GI	none	Score	193
Exons	9605..9823, 9653..9835		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o9.tw	Method	TBLASTX:Wheat
Start	9875	End	10200
GI	none	Score	117
Exons	9875..10018, 10019..10189, 10048..10200		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o6.ts	Method	TBLASTX:Soybean
Start	10117	End	14408
GI	none	Score	55
Exons	10117..10170, 10118..10174, 10225..10431, 10244..10441, 10463..10528, 10539..10622, 10543..10647, 13899..14036, 14097..14408		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o6.tw	Method	TBLASTX:Wheat
Start	10244	End	24033
GI	none	Score	108
Exons	10244..10429, 10246..10395, 10528..10578, 13986..14144, 13990..14076, 14124..14408, 14128..14391, 23851..24033, 23864..24016		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o8.tm	Method	TBLASTX:Maize
Start	10451	End	14033
GI	none	Score	169
Exons	10451..10498, 10539..10676, 10543..10677, 10678..10833, 10726..10833, 13938..14033		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o10.tw	Method	TBLASTX:Wheat
Start	11020	End	11286
GI	none	Score	179
Exons	11020..11220, 11239..11286		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o12.tm	Method	TBLASTX:Maize
Start	11179	End	11511

GI	none	Score	69
Exons	11179..11223, 11239..11346, 11356..11403, 11401..11511		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o5.tw	Method	TBLASTX:Wheat
Start	16829	End	17453
GI	none	Score	197
Exons	16829..17158, 16870..16893, 16987..17181, 17208..17336, 17219..17314, 17328..17453		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o4.ts	Method	TBLASTX:Soybean
Start	17051	End	17471
GI	none	Score	117
Exons	17051..17185, 17202..17471		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o1.tc	Method	TBLASTX:Cress
Start	17198	End	17549
GI	none	Score	289
Exons	17198..17356, 17208..17549, 17474..17548		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o10.tm	Method	TBLASTX:Maize
Start	17310	End	17522
GI	none	Score	225
Exons	17310..17522, 17312..17521, 17322..17522		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o11.gs	Method	GENSCAN
Start	39575	End	44976
GI	none	Score	.57
Exons	39575..40437, 40549..40809, 40830..43498, 43676..43723, 43728..43911, 44104..44249, 44888..44976		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o8.np	Method	AAT/NAP
Start	39578	End	43482
GI	6539553	Score	6727
Exons	39578..43482		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o2.tw	Method	TBLASTX:Wheat
Start	39714	End	40190
GI	none	Score	354
Exons	39714..40100, 39752..40099, 39793..40101, 40115..40189, 40119..40190		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o7.ts	Method	TBLASTX:Soybean
Start	39842	End	40183
GI	none	Score	85
Exons	39842..40057, 39921..40058, 40070..40183, 40077..40157		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o6.tm	Method	TBLASTX:Maize
Start	40047	End	40385
GI	none	Score	206
Exons	40047..40385, 40058..40384		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o3.ts	Method	TBLASTX:Soybean
Start	40196	End	40541
GI	none	Score	124
Exons	40196..40540, 40341..40541		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o3.tw	Method	TBLASTX:Wheat
Start	40394	End	40938
GI	none	Score	48
Exons	40394..40600, 40404..40526, 40595..40816, 40619..40792, 40816..40938, 40898..40921		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o9.tm	Method	TBLASTX:Maize
Start	40406	End	40792
GI	none	Score	244
Exons	40406..40792		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o5.ts	Method	TBLASTX:Soybean
Start	40559	End	40902
GI	none	Score	109
Exons	40559..40816, 40565..40798, 40816..40902		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o2.tc	Method	TBLASTX:Cress
Start	40721	End	40980
GI	none	Score	104
Exons	40721..40816, 40819..40980, 40835..40978		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o11.tm	Method	TBLASTX:Maize
Start	40816	End	41068
GI	none	Score	95
Exons	40816..41067, 40820..41068		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o1.tw	Method	TBLASTX:Wheat
Start	40993	End	41740
GI	none	Score	200
Exons	40993..41232, 40994..41152, 41010..41240, 41013..41210, 41261..41740, 41284..41733		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o3.tc	Method	TBLASTX:Cress
Start	41374	End	41763
GI	none	Score	115
Exons	41374..41568, 41581..41763		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o2.ts	Method	TBLASTX:Soybean
Start	41398	End	41796
GI	none	Score	38
Exons	41398..41571, 41525..41563, 41572..41796, 41618..41788		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o7.tm	Method	TBLASTX:Maize
Start	41584	End	42018
GI	none	Score	82
Exons	41584..42018, 41609..41803		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o7.tw	Method	TBLASTX:Wheat
Start	41742	End	41940
GI	none	Score	82
Exons	41742..41813, 41743..41940, 41743..41937		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o8.ts	Method	TBLASTX:Soybean
Start	41806	End	42192
GI	none	Score	88
Exons	41806..42054, 42037..42192		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o4.tm	Method	TBLASTX:Maize
Start	42219	End	42541
GI	none	Score	395
Exons	42219..42386, 42220..42534, 42221..42514, 42287..42541		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o5.tm	Method	TBLASTX:Maize
Start	43040	End	43353
GI	none	Score	291
Exons	43040..43345, 43042..43353		

Seq. No.	8782	Seq. ID	OJ991210_01.0110.C6
Gene No.	18726	Strand	-
Start	39575	End	44976
Name	OJ991210_01.0110.C6.o4.tw	Method	TBLASTX:Wheat
Start	43102	End	43488
GI	none	Score	254
Exons	43102..43488, 43103..43477		

Seq. No.	8783	Seq. ID	OJ991210_01.0110.C7
Gene No.	18727	Strand	-
Start	46	End	382
Name	OJ991210_01.0110.C7.o1.gs	Method	GENSCAN
Start	46	End	285
GI	none	Score	.69
Exons	46..285		

Seq. No.	8783	Seq. ID	OJ991210_01.0110.C7
Gene No.	18727	Strand	-
Start	46	End	382
Name	OJ991210_01.0110.C7.o1.np	Method	AAT/NAP
Start	67	End	382
GI	3913090	Score	271
Exons	67..382		
GI Descrip.	ARGININE REPRESSOR gi|1839025|emb|CAA72016| (Y11134) arginine repressor [Streptomyces clavuligerus]		

Seq. No.	8784	Seq. ID	OJ991220_01.0118.C1
Gene No.	18728	Strand	+
Start	1	End	1397
Name	OJ991220_01.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	1397
GI	5902445	Score	1069

Exons	1..19, 217..1397		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	8784	Seq. ID	OJ991220_01.0118.C1
Gene No.	18728	Strand	+
Start	1	End	1397
Name	OJ991220_01.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	277	End	581
GI	none	Score	204
Exons	277..504, 294..506, 507..581, 509..580		
Seq. No.	8784	Seq. ID	OJ991220_01.0118.C1
Gene No.	18728	Strand	+
Start	1	End	1397
Name	OJ991220_01.0118.C1.o2.tw	Method	TBLASTX:Wheat
Start	277	End	659
GI	none	Score	178
Exons	277..504, 285..473, 506..658, 507..659		
Seq. No.	8784	Seq. ID	OJ991220_01.0118.C1
Gene No.	18728	Strand	+
Start	1	End	1397
Name	OJ991220_01.0118.C1.o1.tw	Method	TBLASTX:Wheat
Start	783	End	1388
GI	none	Score	275
Exons	783..1187, 797..865, 932..1039, 1080..1232, 1257..1388, 1265..1387		
Seq. No.	8784	Seq. ID	OJ991220_01.0118.C1
Gene No.	18728	Strand	+
Start	1	End	1397
Name	OJ991220_01.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	1095	End	1352
GI	none	Score	140
Exons	1095..1268, 1269..1352		
Seq. No.	8785	Seq. ID	OJ991220_01.0118.C2
Gene No.	18729	Strand	-
Start	84	End	1654
Name	OJ991220_01.0118.C2.o1.gs	Method	GENSCAN
Start	84	End	1654
GI	none	Score	.92
Exons	84..356, 436..570, 675..820, 999..1017, 1648..1654		
Seq. No.	8786	Seq. ID	OJ991220_01.0118.C3
Gene No.	18730	Strand	+
Start	810	End	1700
Name	OJ991220_01.0118.C3.o1.gp	Method	AAT/GAP
Start	810	End	1191
GI	uC-osflcyp033a04b1	Score	663
Exons	810..1191		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	8786	Seq. ID	OJ991220_01.0118.C3
Gene No.	18730	Strand	+
Start	810	End	1700

Name	OJ991220_01.0118.C3.o1.gs	Method	GENSCAN
Start	914	End	1700
GI	none	Score	.5
Exons	914..978, 1634..1700		

Seq. No.	8786	Seq. ID	OJ991220_01.0118.C3
Gene No.	18731	Strand	-
Start	743	End	2687
Name	OJ991220_01.0118.C3.o1.np	Method	AAT/NAP
Start	743	End	2687
GI	4680186	Score	337
Exons	743..943, 2669..2687		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8786	Seq. ID	OJ991220_01.0118.C3
Gene No.	18732	Strand	-
Start	3041	End	3795
Name	OJ991220_01.0118.C3.o2.gp	Method	AAT/GAP
Start	2188	End	2756
GI	4879016	Score	864
Exons	2188..2756		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	8786	Seq. ID	OJ991220_01.0118.C3
Gene No.	18732	Strand	-
Start	3041	End	3795
Name	OJ991220_01.0118.C3.o2.gs	Method	GENSCAN
Start	3041	End	3478
GI	none	Score	.98
Exons	3041..3478		

Seq. No.	8786	Seq. ID	OJ991220_01.0118.C3
Gene No.	18732	Strand	-
Start	3041	End	3795
Name	OJ991220_01.0118.C3.o2.np	Method	AAT/NAP
Start	3044	End	3795
GI	6721561	Score	711
Exons	3044..3795		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8786	Seq. ID	OJ991220_01.0118.C3
Gene No.	18732	Strand	-
Start	3041	End	3795
Name	OJ991220_01.0118.C3.o3.gp	Method	AAT/GAP
Start	3492	End	3795
GI	none	Score	582
Exons	3492..3795		

Seq. No.	8787	Seq. ID	OJ991220_01.0118.C4
Gene No.	18733	Strand	-
Start	1	End	1351

Name	OJ991220_01.0118.C4.o1.gp	Method	AAT/GAP
Start	1	End	68
GI	none	Score	111
Exons	1..68		

Seq. No.	8787	Seq. ID	OJ991220_01.0118.C4
Gene No.	18733	Strand	-
Start	1	End	1351
Name	OJ991220_01.0118.C4.o1.np	Method	AAT/NAP
Start	1	End	892
GI	6721561	Score	213
Exons	1..68, 139..321, 823..892		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8787	Seq. ID	OJ991220_01.0118.C4
Gene No.	18733	Strand	-
Start	1	End	1351
Name	OJ991220_01.0118.C4.o1.gs	Method	GENSCAN
Start	10	End	1062
GI	none	Score	.51
Exons	10..41, 139..324, 393..517, 686..1062		

Seq. No.	8787	Seq. ID	OJ991220_01.0118.C4
Gene No.	18733	Strand	-
Start	1	End	1351
Name	OJ991220_01.0118.C4.o2.np	Method	AAT/NAP
Start	599	End	1351
GI	6907089	Score	275
Exons	599..1351		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8787	Seq. ID	OJ991220_01.0118.C4
Gene No.	18734	Strand	-
Start	1991	End	2276
Name	OJ991220_01.0118.C4.o3.np	Method	AAT/NAP
Start	1991	End	2276
GI	6721512	Score	66
Exons	1991..2146, 2174..2276		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8788	Seq. ID	OJ991220_01.0118.C7
Gene No.	18735	Strand	+
Start	66	End	567
Name	OJ991220_01.0118.C7.o1.gs	Method	GENSCAN
Start	66	End	567
GI	none	Score	.7
Exons	66..567		

Seq. No.	8789	Seq. ID	OJ991220_01.0118.C8
Gene No.	18736	Strand	+
Start	1	End	930
Name	OJ991220_01.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	909

GI	4544372	Score	417
Exons	1..909		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8789	Seq. ID	OJ991220_01.0118.C8
Gene No.	18736	Strand	+
Start	1	End	930
Name	OJ991220_01.0118.C8.o1.gs	Method	GENSCAN
Start	198	End	930
GI	none	Score	.89
Exons	198..643, 648..930		

Seq. No.	8789	Seq. ID	OJ991220_01.0118.C8
Gene No.	18737	Strand	-
Start	1445	End	2131
Name	OJ991220_01.0118.C8.o1.tw	Method	TBLASTX:Wheat
Start	486	End	894
GI	none	Score	94
Exons	486..641, 633..860, 634..894		

Seq. No.	8789	Seq. ID	OJ991220_01.0118.C8
Gene No.	18737	Strand	-
Start	1445	End	2131
Name	OJ991220_01.0118.C8.o1.ts	Method	TBLASTX:Soybean
Start	670	End	920
GI	none	Score	242
Exons	670..915, 672..809, 882..920		

Seq. No.	8789	Seq. ID	OJ991220_01.0118.C8
Gene No.	18737	Strand	-
Start	1445	End	2131
Name	OJ991220_01.0118.C8.o2.gs	Method	GENSCAN
Start	1445	End	2131
GI	none	Score	1
Exons	1445..1975, 2055..2131		

Seq. No.	8790	Seq. ID	OJ991220_01.0118.C9
Gene No.	18738	Strand	-
Start	96	End	620
Name	OJ991220_01.0118.C9.o1.gs	Method	GENSCAN
Start	96	End	620
GI	none	Score	.5
Exons	96..290, 372..620		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18739	Strand	+
Start	5491	End	5661
Name	OJ991220_01.0118.C10.o2.gs	Method	GENSCAN
Start	5491	End	5661
GI	none	Score	1
Exons	5491..5661		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18740	Strand	+
Start	5854	End	17206
Name	OJ991220_01.0118.C10.o3.gs	Method	GENSCAN

Start	5854	End	17206
GI	none	Score	.41
Exons	5854..6406, 7050..7203, 7337..7489, 8296..8405, 8610..8670, 9087..9233, 9428..10495, 10716..10955, 10964..11142, 11200..11387, 11412..11746, 11836..11890, 11937..12227, 12366..12551, 12566..12821, 12966..13456, 13550..13696, 13760..14078, 14109..14301, 14313..14401, 14526..14732, 14763..14860, 14960..15452, 15918..16045, 16505..16679, 16738..16931, 17048..17206		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18740	Strand	+
Start	5854	End	17206
Name	OJ991220_01.0118.C10.o4.np	Method	AAT/NAP
Start	12681	End	15799
GI	5902445	Score	2995
Exons	12681..14493, 14539..15799		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18741	Strand	+
Start	21919	End	28256
Name	OJ991220_01.0118.C10.o5.gs	Method	GENSCAN
Start	21919	End	28256
GI	none	Score	.82
Exons	21919..22042, 23462..23634, 23726..23867, 24524..26496, 27372..27611, 27703..27853, 28171..28256		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18741	Strand	+
Start	21919	End	28256
Name	OJ991220_01.0118.C10.o5.np	Method	AAT/NAP
Start	24518	End	26598
GI	4539660	Score	2603
Exons	24518..26598		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18742	Strand	+
Start	28862	End	32241
Name	OJ991220_01.0118.C10.o2.gp	Method	AAT/GAP
Start	28684	End	29065
GI	uC-osflcyp033a04b1	Score	683
Exons	28684..29065		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18742	Strand	+
Start	28862	End	32241
Name	OJ991220_01.0118.C10.o6.gs	Method	GENSCAN
Start	28862	End	32241
GI	none	Score	.59
Exons	28862..28933, 30377..30603, 30613..30695, 31305..31355, 31599..31725, 31730..31982, 32056..32241		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10

Gene No.	18743	Strand	-
Start	907	End	6344
Name	OJ991220_01.0118.C10.o1.gs	Method	GENSCAN
Start	907	End	5267
GI	none	Score	.49
Exons	907..1154, 1710..2731, 3037..3319, 4717..4876, 5139..5267		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18743	Strand	-
Start	907	End	6344
Name	OJ991220_01.0118.C10.o2.np	Method	AAT/NAP
Start	1655	End	6344
GI	3258575	Score	558
Exons	1655..1673, 4594..4763, 4792..4897, 5868..6344		
GI Descrip.	(U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18744	Strand	-
Start	9195	End	9454
Name	OJ991220_01.0118.C10.o3.np	Method	AAT/NAP
Start	9195	End	9454
GI	6721512	Score	69
Exons	9195..9323, 9351..9454		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18745	Strand	-
Start	17295	End	20799
Name	OJ991220_01.0118.C10.o4.gs	Method	GENSCAN
Start	17295	End	20799
GI	none	Score	.77
Exons	17295..17855, 17961..18191, 18262..18396, 18521..18645, 18718..18845, 18957..19148, 19306..19555, 19560..19701, 19839..19942, 19947..20019, 20261..20375, 20798..20799		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	4662	End	6336
GI	none	Score	58
Exons	4662..4772, 4664..4771, 4757..4807, 4828..4884, 4830..4892, 5866..5916, 5902..6336, 5906..6328		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o9.tw	Method	TBLASTX:Wheat
Start	10998	End	11396
GI	none	Score	243
Exons	10998..11396, 11012..11050, 11123..11266		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o6.tw	Method	TBLASTX:Wheat
Start	11979	End	12434

GI	none	Score	144
Exons	11979..12161, 11987..12160, 12198..12434, 12200..12424		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o4.tw	Method	TBLASTX:Wheat
Start	12626	End	13081
GI	none	Score	71
Exons	12626..12694, 12627..12695, 12685..13080, 12686..13081		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o4.tm	Method	TBLASTX:Maize
Start	12755	End	13111
GI	none	Score	392
Exons	12755..13111, 12817..13110		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o7.tm	Method	TBLASTX:Maize
Start	13139	End	13522
GI	none	Score	318
Exons	13139..13522, 13188..13283, 13288..13521		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o5.tw	Method	TBLASTX:Wheat
Start	13196	End	24627
GI	none	Score	447
Exons	13196..13618, 13259..13588, 13288..13620, 24544..24627		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	13250	End	24750
GI	none	Score	277
Exons	13250..13675, 13282..13434, 24517..24750		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o8.tm	Method	TBLASTX:Maize
Start	13532	End	24693
GI	none	Score	69
Exons	13532..13615, 24517..24693, 24522..24692		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o7.tw	Method	TBLASTX:Wheat
Start	13765	End	14173
GI	none	Score	204

Exons	13765..13992, 13766..13990, 14000..14173, 14015..14173		
Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o6.tm	Method	TBLASTX:Maize
Start	14675	End	14986
GI	none	Score	348
Exons	14675..14986, 14692..14985		
Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o2.tw	Method	TBLASTX:Wheat
Start	14786	End	25620
GI	none	Score	65
Exons	14786..14938, 14942..15019, 25053..25619, 25087..25620		
Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	15116	End	26253
GI	none	Score	91
Exons	15116..15271, 15305..15433, 25627..26253, 25683..26141, 25720..26250		
Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o3.tw	Method	TBLASTX:Wheat
Start	24628	End	25050
GI	none	Score	594
Exons	24628..25050, 24660..25049		
Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o3.tm	Method	TBLASTX:Maize
Start	24699	End	25062
GI	none	Score	482
Exons	24699..25049, 24700..25053, 24700..25062		
Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o6.np	Method	AAT/NAP
Start	24869	End	29877
GI	5852180	Score	573
Exons	24869..24923, 27340..27761, 27813..27936, 28915..28969, 29755..29877		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o1.tc	Method	TBLASTX:Cress

Start	25327	End	25644
GI	none	Score	90
Exons	25327..25500, 25501..25644, 25503..25643		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	25408	End	25668
GI	none	Score	296
Exons	25408..25668, 25413..25667		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o5.tm	Method	TBLASTX:Maize
Start	25466	End	25758
GI	none	Score	89
Exons	25466..25627, 25467..25754, 25468..25758		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	25806	End	26406
GI	none	Score	83
Exons	25806..25937, 25806..25949, 25807..25968, 25810..25962, 25966..26406, 25968..26390		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o8.tw	Method	TBLASTX:Wheat
Start	26253	End	26586
GI	none	Score	315
Exons	26253..26522, 26254..26586, 26257..26565		

Seq. No.	8791	Seq. ID	OJ991220_01.0118.C10
Gene No.	18746	Strand	-
Start	24869	End	33042
Name	OJ991220_01.0118.C10.o7.np	Method	AAT/NAP
Start	28617	End	33042
GI	4680186	Score	377
Exons	28617..28817, 29655..29710, 33016..33042		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8792	Seq. ID	OJ991220_01.0118.C11
Gene No.	18747	Strand	+
Start	1	End	123
Name	OJ991220_01.0118.C11.o1.np	Method	AAT/NAP
Start	1	End	123
GI	6063554	Score	187
Exons	1..123		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8792	Seq. ID	OJ991220_01.0118.C11
Gene No.	18748	Strand	+
Start	478	End	2450
Name	OJ991220_01.0118.C11.o2.np	Method	AAT/NAP
Start	478	End	2450
GI	1666236	Score	174
Exons	478..668, 764..1133, 2281..2450		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	8792	Seq. ID	OJ991220_01.0118.C11
Gene No.	18749	Strand	-
Start	497	End	770
Name	OJ991220_01.0118.C11.o2.gp	Method	AAT/GAP
Start	497	End	770
GI	61605_1.R1084	Score	460
Exons	497..770		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'.		

Seq. No.	8792	Seq. ID	OJ991220_01.0118.C11
Gene No.	18750	Strand	-
Start	723	End	2143
Name	OJ991220_01.0118.C11.o1.gs	Method	GENSCAN
Start	723	End	2143
GI	none	Score	.61
Exons	723..929, 1076..1125, 1318..1426, 1692..1721, 2036..2143		

Seq. No.	8792	Seq. ID	OJ991220_01.0118.C11
Gene No.	18750	Strand	-
Start	723	End	2143
Name	OJ991220_01.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	765	End	1073
GI	none	Score	76
Exons	765..842, 858..1073		

Seq. No.	8793	Seq. ID	OJ991220_01.0118.C12
Gene No.	18751	Strand	+
Start	58	End	1872
Name	OJ991220_01.0118.C12.o1.gs	Method	GENSCAN
Start	58	End	1150
GI	none	Score	.9
Exons	58..272, 312..1150		

Seq. No.	8793	Seq. ID	OJ991220_01.0118.C12
Gene No.	18751	Strand	+
Start	58	End	1872
Name	OJ991220_01.0118.C12.o1.np	Method	AAT/NAP
Start	410	End	1872
GI	2522230	Score	270
Exons	410..934, 1678..1872		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	8793	Seq. ID	OJ991220_01.0118.C12
Gene No.	18752	Strand	+
Start	1792	End	4238
Name	OJ991220_01.0118.C12.o2.gs	Method	GENSCAN

Start	1792	End	3565
GI	none	Score	.72
Exons	1792..1939, 3468..3565		

Seq. No.	8793	Seq. ID	OJ991220_01.0118.C12
Gene No.	18752	Strand	+
Start	1792	End	4238
Name	OJ991220_01.0118.C12.o2.np	Method	AAT/NAP
Start	3431	End	4238
GI	4680183	Score	197
Exons	3431..3538, 4149..4238		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	8793	Seq. ID	OJ991220_01.0118.C12
Gene No.	18753	Strand	+
Start	5506	End	6122
Name	OJ991220_01.0118.C12.o1.tw	Method	TBLASTX:Wheat
Start	449	End	820
GI	none	Score	112
Exons	449..592, 635..820, 637..813		

Seq. No.	8793	Seq. ID	OJ991220_01.0118.C12
Gene No.	18753	Strand	+
Start	5506	End	6122
Name	OJ991220_01.0118.C12.o3.np	Method	AAT/NAP
Start	5506	End	6122
GI	6721559	Score	565
Exons	5506..5956, 5989..6122		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18754	Strand	+
Start	117	End	4939
Name	OJ991220_01.0118.C13.o1.gs	Method	GENSCAN
Start	117	End	4939
GI	none	Score	.5
Exons	117..489, 1322..1597, 1618..1746, 1786..2496, 3467..3573, 4546..4939		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18754	Strand	+
Start	117	End	4939
Name	OJ991220_01.0118.C13.o2.np	Method	AAT/NAP
Start	1166	End	3060
GI	6907087	Score	720
Exons	1166..1530, 1739..2413, 2959..3060		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18755	Strand	+
Start	17207	End	17993
Name	OJ991220_01.0118.C13.o4.gs	Method	GENSCAN
Start	17207	End	17993

GI	none	Score	.83
Exons	17207..17320, 17429..17533, 17577..17993		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18756	Strand	+
Start	19602	End	20687
Name	OJ991220_01.0118.C13.o4.np	Method	AAT/NAP
Start	19602	End	20687
GI	4755191	Score	307
Exons	19602..19853, 19897..20687		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18757	Strand	-
Start	3455	End	5403
Name	OJ991220_01.0118.C13.o3.np	Method	AAT/NAP
Start	3455	End	5403
GI	4680186	Score	162
Exons	3455..3656, 5385..5403		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18758	Strand	-
Start	14722	End	16448
Name	OJ991220_01.0118.C13.o3.gs	Method	GENSCAN
Start	14722	End	16448
GI	none	Score	.77
Exons	14722..14904, 15078..15160, 15289..15375, 16028..16141, 16433..16448		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18759	Strand	-
Start	19252	End	19364
Name	OJ991220_01.0118.C13.o5.gs	Method	GENSCAN
Start	19252	End	19364
GI	none	Score	.42
Exons	19252..19364		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18760	Strand	
Start	19345	End	19670
Name	OJ991220_01.0118.C13.o2.tw	Method	TBLASTX:Wheat
Start	19345	End	19670
GI	none	Score	124
Exons	19345..19470, 19347..19469, 19471..19533, 19485..19550, 19560..19670, 19599..19649		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18761	Strand	
Start	19674	End	20437
Name	OJ991220_01.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	19674	End	20437
GI	none	Score	57
Exons	19674..19715, 19731..19817, 19973..20218, 20201..20383, 20360..20437		

Seq. No.	8794	Seq. ID	OJ991220_01.0118.C13
Gene No.	18761	Strand	
Start	19674	End	20437
Name	OJ991220_01.0118.C13.o1.tw	Method	TBLASTX:Wheat
Start	19973	End	20299
GI	none	Score	339
Exons	19973..20299, 20023..20298		

Seq. No.	8795	Seq. ID	OJ991220_01.0118.C14
Gene No.	18762	Strand	+
Start	522	End	909
Name	OJ991220_01.0118.C14.o1.gs	Method	GENSCAN
Start	522	End	909
GI	none	Score	.72
Exons	522..603, 800..909		

Seq. No.	8796	Seq. ID	OJ991220_01.0118.C15
Gene No.	18763	Strand	-
Start	173	End	853
Name	OJ991220_01.0118.C15.o1.gs	Method	GENSCAN
Start	173	End	853
GI	none	Score	.47
Exons	173..853		

Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18764	Strand	+
Start	177	End	1779
Name	OJ991220_01.0118.C16.o1.gs	Method	GENSCAN
Start	177	End	1779
GI	none	Score	.6
Exons	177..255, 360..1234, 1370..1445, 1528..1779		

Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18764	Strand	+
Start	177	End	1779
Name	OJ991220_01.0118.C16.o1.np	Method	AAT/NAP
Start	192	End	1267
GI	3319345	Score	417
Exons	192..255, 360..1267		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18765	Strand	+
Start	4933	End	8458
Name	OJ991220_01.0118.C16.o3.gs	Method	GENSCAN
Start	4933	End	7863
GI	none	Score	.77
Exons	4933..5257, 5733..5896, 6281..6394, 6441..6550, 7713..7863		

Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18765	Strand	+
Start	4933	End	8458
Name	OJ991220_01.0118.C16.o3.np	Method	AAT/NAP
Start	4933	End	8455
GI	5922620	Score	647
Exons	4933..5016, 6037..6165, 6441..6609, 6656..6826, 6863..6947,		

	8325..8455		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18765	Strand	+
Start	4933	End	8458
Name	OJ991220_01.0118.C16.o4.gs	Method	GENSCAN
Start	8186	End	8458
GI	none	Score	.98
Exons	8186..8458		
Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18766	Strand	+
Start	8858	End	11153
Name	OJ991220_01.0118.C16.o5.gs	Method	GENSCAN
Start	8858	End	11153
GI	none	Score	.51
Exons	8858..8864, 10477..10706, 11031..11153		
Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18767	Strand	-
Start	1799	End	4668
Name	OJ991220_01.0118.C16.o2.np	Method	AAT/NAP
Start	1799	End	4668
GI	6539570	Score	152
Exons	1799..1820, 4191..4251, 4465..4668		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18767	Strand	-
Start	1799	End	4668
Name	OJ991220_01.0118.C16.o2.gs	Method	GENSCAN
Start	2455	End	3539
GI	none	Score	.71
Exons	2455..2778, 2861..3152, 3442..3539		
Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18768	Strand	-
Start	10382	End	12774
Name	OJ991220_01.0118.C16.o1.tm	Method	TBLASTX:Maize
Start	612	End	1091
GI	none	Score	117
Exons	612..803, 837..1091		
Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16
Gene No.	18768	Strand	-
Start	10382	End	12774
Name	OJ991220_01.0118.C16.o1.ts	Method	TBLASTX:Soybean
Start	648	End	1085
GI	none	Score	211
Exons	648..1085		
Seq. No.	8797	Seq. ID	OJ991220_01.0118.C16

Gene No.	18768	Strand	-
Start	10382	End	12774
Name	OJ991220_01.0118.C16.o4.np	Method	AAT/NAP
Start	10382	End	12774
GI	6539588	Score	194
Exons	10382..10429, 11804..12034, 12748..12774		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8798	Seq. ID	OJ991220_01.0118.C17
Gene No.	18769	Strand	-
Start	204	End	267
Name	OJ991220_01.0118.C17.o1.gs	Method	GENSCAN
Start	204	End	267
GI	none	Score	.75
Exons	204..267		

Seq. No.	8799	Seq. ID	OJ991220_03.0118.C1
Gene No.	18770	Strand	-
Start	303	End	1865
Name	OJ991220_03.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	204	End	1062
GI	none	Score	60
Exons	204..254, 300..632, 630..812, 907..1062, 941..1054		

Seq. No.	8799	Seq. ID	OJ991220_03.0118.C1
Gene No.	18770	Strand	-
Start	303	End	1865
Name	OJ991220_03.0118.C1.o1.gs	Method	GENSCAN
Start	303	End	1577
GI	none	Score	.81
Exons	303..507, 724..814, 906..1577		

Seq. No.	8799	Seq. ID	OJ991220_03.0118.C1
Gene No.	18770	Strand	-
Start	303	End	1865
Name	OJ991220_03.0118.C1.o1.np	Method	AAT/NAP
Start	318	End	1865
GI	4680209	Score	561
Exons	318..814, 906..1043, 1290..1375, 1835..1865		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	8799	Seq. ID	OJ991220_03.0118.C1
Gene No.	18770	Strand	-
Start	303	End	1865
Name	OJ991220_03.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	1114	End	1512
GI	none	Score	76
Exons	1114..1224, 1114..1512, 1118..1435		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18771	Strand	+
Start	550	End	881
Name	OJ991220_03.0118.C2.o2.gp	Method	AAT/GAP
Start	550	End	881
GI	3107009	Score	116
Exons	550..575, 792..881		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA,		

centromere sequence RCB11

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18772	Strand	+
Start	2062	End	2845
Name	OJ991220_03.0118.C2.o1.gs	Method	GENSCAN
Start	2062	End	2845
GI	none	Score	.46
Exons	2062..2199, 2382..2845		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18773	Strand	-
Start	133	End	537
Name	OJ991220_03.0118.C2.o1.gp	Method	AAT/GAP
Start	133	End	537
GI	2312652	Score	790
Exons	133..537		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18774	Strand	-
Start	3683	End	5318
Name	OJ991220_03.0118.C2.o1.np	Method	AAT/NAP
Start	3683	End	5318
GI	4680209	Score	445
Exons	3683..4201, 4262..4513, 4542..4617, 4899..5318		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18775	Strand	-
Start	10057	End	10853
Name	OJ991220_03.0118.C2.o3.gp	Method	AAT/GAP
Start	9822	End	10450
GI	7426_1.R1084	Score	1155
Exons	9822..10450		
GI Descrip.	'3169012/emb|CAA05637| 4.0e-47 (AJ002610) putative calmodulin binding transporter protein [Hordeum vulgare]'		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18775	Strand	-
Start	10057	End	10853
Name	OJ991220_03.0118.C2.o2.tm	Method	TBLASTX:Maize
Start	10044	End	10216
GI	none	Score	97
Exons	10044..10199, 10055..10216, 10057..10185		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18775	Strand	-
Start	10057	End	10853
Name	OJ991220_03.0118.C2.o3.gs	Method	GENSCAN
Start	10057	End	10755
GI	none	Score	.78
Exons	10057..10755		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18775	Strand	-

Start	10057	End	10853
Name	OJ991220_03.0118.C2.o2.np	Method	AAT/NAP
Start	10060	End	10853
GI	3169012	Score	999
Exons	10060..10759, 10786..10853		
GI Descrip.	(AJ002610) putative calmodulin binding transporter protein [Hordeum vulgare]		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18775	Strand	-
Start	10057	End	10853
Name	OJ991220_03.0118.C2.o1.tc	Method	TBLASTX:Cress
Start	10061	End	10761
GI	none	Score	42
Exons	10061..10123, 10063..10179, 10151..10222, 10223..10357, 10237..10761, 10284..10556, 10297..10749, 10409..10756		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18775	Strand	-
Start	10057	End	10853
Name	OJ991220_03.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	10217	End	10761
GI	none	Score	160
Exons	10217..10360, 10217..10756, 10237..10761, 10297..10758		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18775	Strand	-
Start	10057	End	10853
Name	OJ991220_03.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	10286	End	10758
GI	none	Score	77
Exons	10286..10735, 10287..10451, 10288..10758, 10297..10494, 10409..10756		

Seq. No.	8800	Seq. ID	OJ991220_03.0118.C2
Gene No.	18775	Strand	-
Start	10057	End	10853
Name	OJ991220_03.0118.C2.o1.tw	Method	TBLASTX:Wheat
Start	10558	End	10758
GI	none	Score	132
Exons	10558..10758, 10571..10756		

Seq. No.	8801	Seq. ID	OJ991220_03.0118.C3
Gene No.	18776	Strand	-
Start	691	End	866
Name	OJ991220_03.0118.C3.o1.gs	Method	GENSCAN
Start	691	End	866
GI	none	Score	.81
Exons	691..761, 782..866		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18777	Strand	+
Start	9863	End	10213
Name	OJ991220_03.0118.C4.o1.gp	Method	AAT/GAP
Start	9863	End	10213
GI	none	Score	646
Exons	9863..10213		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18778	Strand	+
Start	13687	End	13978
Name	OJ991220_03.0118.C4.o2.gp	Method	AAT/GAP
Start	13632	End	13978
GI	27160_1.R1084	Score	360
Exons	13632..13759, 13839..13978		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18778	Strand	+
Start	13687	End	13978
Name	OJ991220_03.0118.C4.o3.np	Method	AAT/NAP
Start	13632	End	13978
GI	3281853	Score	176
Exons	13632..13759, 13839..13978		
GI Descrip.	(AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18778	Strand	+
Start	13687	End	13978
Name	OJ991220_03.0118.C4.o3.gs	Method	GENSCAN
Start	13687	End	13759
GI	none	Score	.89
Exons	13687..13759		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18779	Strand	-
Start	173	End	6608
Name	OJ991220_03.0118.C4.o1.np	Method	AAT/NAP
Start	173	End	4657
GI	3169012	Score	1534
Exons	173..413, 824..935, 1021..1301, 2793..3005, 3866..4397, 4632..4657		
GI Descrip.	(AJ002610) putative calmodulin binding transporter protein [Hordeum vulgare]		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18779	Strand	-
Start	173	End	6608
Name	OJ991220_03.0118.C4.o1.gs	Method	GENSCAN
Start	177	End	6608
GI	none	Score	.54
Exons	177..413, 1037..1301, 1570..1604, 2793..3005, 3866..4397, 4637..4750, 5497..5567, 5835..5927, 6549..6608		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	168	End	1073
GI	none	Score	134
Exons	168..425, 174..419, 792..941, 794..937, 1014..1073, 1021..1071		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4

Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	174	End	4259
GI	none	Score	189
Exons	174..419, 175..417, 801..941, 806..937, 1014..1088, 1015..1089, 1038..1220, 1099..1176, 1224..1301, 1231..1302, 2790..2930, 2790..2984, 2791..2973, 3863..4228, 3870..4259		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o2.ts	Method	TBLASTX:Soybean
Start	174	End	407
GI	none	Score	107
Exons	174..407, 177..404		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o2.tw	Method	TBLASTX:Wheat
Start	174	End	326
GI	none	Score	69
Exons	174..326, 193..288		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o4.ts	Method	TBLASTX:Soybean
Start	794	End	3014
GI	none	Score	75
Exons	794..937, 1014..1088, 1191..1223, 1233..1301, 2790..2954, 2790..3014, 2794..2973		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	2793	End	4112
GI	none	Score	235
Exons	2793..3008, 2793..2984, 2800..3009, 3863..4111, 3864..4112, 3864..4112		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	3849	End	4093
GI	none	Score	148
Exons	3849..4085, 3863..4081, 3863..4093, 3864..4082, 3865..4083		

Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o2.gs	Method	GENSCAN
Start	7036	End	11670
GI	none	Score	.7

Exons	7036..7338, 9970..10201, 11612..11670		
Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o2.np	Method	AAT/NAP
Start	7039	End	8809
GI	5922620	Score	78
Exons	7039..7138, 8767..8809		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	10206	End	13939
GI	none	Score	227
Exons	10206..10250, 13626..13760, 13627..13761, 13631..13762, 13838..13939, 13838..13936, 13852..13938		
Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o2.tc	Method	TBLASTX:Cress
Start	13606	End	13867
GI	none	Score	177
Exons	13606..13758, 13632..13760, 13633..13761, 13838..13867		
Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	13623	End	13941
GI	none	Score	180
Exons	13623..13760, 13624..13761, 13627..13761, 13838..13939, 13840..13941, 13852..13938		
Seq. No.	8802	Seq. ID	OJ991220_03.0118.C4
Gene No.	18780	Strand	-
Start	7036	End	13942
Name	OJ991220_03.0118.C4.o3.ts	Method	TBLASTX:Soybean
Start	13633	End	13942
GI	none	Score	137
Exons	13633..13761, 13638..13760, 13838..13942, 13852..13935		
Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18781	Strand	+
Start	419	End	1511
Name	OJ991220_03.0118.C5.o1.gs	Method	GENSCAN
Start	419	End	1436
GI	none	Score	.87
Exons	419..505, 727..833, 1041..1124, 1299..1436		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18781	Strand	+
Start	419	End	1511
Name	OJ991220_03.0118.C5.o1.np	Method	AAT/NAP
Start	419	End	1511
GI	3281853	Score	286
Exons	419..505, 742..974, 1041..1124, 1299..1511		
GI Descrip.	(AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18782	Strand	-
Start	1413	End	1690
Name	OJ991220_03.0118.C5.o1.gp	Method	AAT/GAP
Start	1413	End	1690
GI	none	Score	540
Exons	1413..1690		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18783	Strand	-
Start	2177	End	6580
Name	OJ991220_03.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	418	End	1459
GI	none	Score	147
Exons	418..507, 436..507, 725..829, 726..833, 734..835, 741..833, 1047..1124, 1292..1459, 1299..1433		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18783	Strand	-
Start	2177	End	6580
Name	OJ991220_03.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	1053	End	1574
GI	none	Score	102
Exons	1053..1124, 1054..1125, 1054..1137, 1290..1421, 1292..1429, 1292..1435, 1297..1437, 1299..1430, 1509..1574		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18783	Strand	-
Start	2177	End	6580
Name	OJ991220_03.0118.C5.o2.gs	Method	GENSCAN
Start	2177	End	6580
GI	none	Score	.56
Exons	2177..2257, 2678..2743, 3493..3653, 4541..4781, 5758..5892, 6530..6580		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18783	Strand	-
Start	2177	End	6580
Name	OJ991220_03.0118.C5.o2.gp	Method	AAT/GAP
Start	2286	End	2479
GI	none	Score	335
Exons	2286..2479		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18783	Strand	-
Start	2177	End	6580
Name	OJ991220_03.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	2632	End	4613

GI	none	Score	86
Exons	2632..2745, 2637..2768, 2637..2744, 2645..2746, 3475..3654, 3497..3664, 3501..3656, 4539..4613		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18783	Strand	-
Start	2177	End	6580
Name	OJ991220_03.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	2643	End	4671
GI	none	Score	106
Exons	2643..2747, 2645..2767, 2649..2744, 3475..3654, 3500..3655, 4539..4658, 4540..4671		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18783	Strand	-
Start	2177	End	6580
Name	OJ991220_03.0118.C5.o2.np	Method	AAT/NAP
Start	2648	End	4670
GI	3687245	Score	463
Exons	2648..2743, 3493..3653, 4541..4670		
GI Descrip.	(AC005169) 40S ribosomal protein S15A [Arabidopsis thaliana]		

Seq. No.	8803	Seq. ID	OJ991220_03.0118.C5
Gene No.	18783	Strand	-
Start	2177	End	6580
Name	OJ991220_03.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	3475	End	4677
GI	none	Score	160
Exons	3475..3660, 3493..3654, 3497..3655, 4539..4658, 4540..4677		

Seq. No.	8804	Seq. ID	OJ991220_03.0118.C7
Gene No.	18784	Strand	+
Start	1	End	7708
Name	OJ991220_03.0118.C7.o1.np	Method	AAT/NAP
Start	1	End	7708
GI	5262156	Score	367
Exons	1..29, 3459..3553, 5309..5538, 7141..7330, 7632..7708		
GI Descrip.	(AL080237) putative protein [Arabidopsis thaliana]		

Seq. No.	8804	Seq. ID	OJ991220_03.0118.C7
Gene No.	18784	Strand	+
Start	1	End	7708
Name	OJ991220_03.0118.C7.o1.gs	Method	GENSCAN
Start	911	End	7362
GI	none	Score	.41
Exons	911..1018, 1217..1333, 5317..5538, 7141..7362		

Seq. No.	8804	Seq. ID	OJ991220_03.0118.C7
Gene No.	18785	Strand	-
Start	11006	End	11894
Name	OJ991220_03.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	1236	End	7317
GI	none	Score	45
Exons	1236..1256, 1273..1335, 1274..1381, 5316..5396, 5317..5403, 5398..5553, 5407..5547, 7128..7310, 7135..7317		

Seq. No.	8804	Seq. ID	OJ991220_03.0118.C7

Gene No.	18785	Strand	-
Start	11006	End	11894
Name	OJ991220_03.0118.C7.o1.ts	Method	TBLASTX:Soybean
Start	1274	End	7320
GI	none	Score	68
Exons	1274..1381, 5317..5403, 5401..5553, 5401..5553, 7135..7320, 7140..7310		

Seq. No.	8804	Seq. ID	OJ991220_03.0118.C7
Gene No.	18785	Strand	-
Start	11006	End	11894
Name	OJ991220_03.0118.C7.o1.tc	Method	TBLASTX:Cress
Start	5316	End	7338
GI	none	Score	205
Exons	5316..5354, 5317..5535, 5406..5537, 7090..7338		

Seq. No.	8804	Seq. ID	OJ991220_03.0118.C7
Gene No.	18785	Strand	-
Start	11006	End	11894
Name	OJ991220_03.0118.C7.o3.gs	Method	GENSCAN
Start	11006	End	11894
GI	none	Score	.49
Exons	11006..11067, 11792..11894		

Seq. No.	8805	Seq. ID	OJ991220_03.0118.C9
Gene No.	18786	Strand	+
Start	3390	End	5154
Name	OJ991220_03.0118.C9.o1.np	Method	AAT/NAP
Start	3390	End	4036
GI	3395754	Score	172
Exons	3390..3561, 3840..4036		
GI Descrip.	(U76296) plantacyanin [Spinacia oleracea]		

Seq. No.	8805	Seq. ID	OJ991220_03.0118.C9
Gene No.	18786	Strand	+
Start	3390	End	5154
Name	OJ991220_03.0118.C9.o2.gs	Method	GENSCAN
Start	3390	End	5154
GI	none	Score	.9
Exons	3390..3561, 3840..4044, 4647..4790, 4917..5154		

Seq. No.	8805	Seq. ID	OJ991220_03.0118.C9
Gene No.	18787	Strand	-
Start	1804	End	2865
Name	OJ991220_03.0118.C9.o1.gs	Method	GENSCAN
Start	1804	End	2865
GI	none	Score	.75
Exons	1804..1986, 2317..2865		

Seq. No.	8805	Seq. ID	OJ991220_03.0118.C9
Gene No.	18788	Strand	-
Start	5281	End	5703
Name	OJ991220_03.0118.C9.o3.gs	Method	GENSCAN
Start	5281	End	5703
GI	none	Score	.95
Exons	5281..5703		

Seq. No.	8806	Seq. ID	OJ991220_03.0118.C10
Gene No.	18789	Strand	+
Start	163	End	5424
Name	OJ991220_03.0118.C10.o1.gs	Method	GENSCAN
Start	163	End	5424
GI	none	Score	.81
Exons	163..248, 3332..3379, 4503..4642, 4717..4918, 5069..5424		

Seq. No.	8806	Seq. ID	OJ991220_03.0118.C10
Gene No.	18789	Strand	+
Start	163	End	5424
Name	OJ991220_03.0118.C10.o1.gp	Method	AAT/GAP
Start	3634	End	3720
GI	69953_1.R1084	Score	119
Exons	3634..3720		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	8806	Seq. ID	OJ991220_03.0118.C10
Gene No.	18790	Strand	+
Start	6711	End	7739
Name	OJ991220_03.0118.C10.o2.gp	Method	AAT/GAP
Start	6689	End	6887
GI	20538_2.R1084	Score	371
Exons	6689..6887		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	8806	Seq. ID	OJ991220_03.0118.C10
Gene No.	18790	Strand	+
Start	6711	End	7739
Name	OJ991220_03.0118.C10.o2.gs	Method	GENSCAN
Start	6711	End	7739
GI	none	Score	.66
Exons	6711..7739		

Seq. No.	8806	Seq. ID	OJ991220_03.0118.C10
Gene No.	18790	Strand	+
Start	6711	End	7739
Name	OJ991220_03.0118.C10.o3.gp	Method	AAT/GAP
Start	7299	End	7525
GI	428633	Score	446
Exons	7299..7525		

Seq. No.	8806	Seq. ID	OJ991220_03.0118.C10
Gene No.	18791	Strand	-
Start	10208	End	10453
Name	OJ991220_03.0118.C10.o3.gs	Method	GENSCAN
Start	10208	End	10453
GI	none	Score	.62
Exons	10208..10227, 10328..10453		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11
Gene No.	18792	Strand	+
Start	1736	End	1976
Name	OJ991220_03.0118.C11.o1.gs	Method	GENSCAN
Start	1736	End	1976

GI	none	Score	.71
Exons	1736..1976		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11
Gene No.	18793	Strand	+
Start	5095	End	5670
Name	OJ991220_03.0118.C11.o3.gs	Method	GENSCAN
Start	5095	End	5670
GI	none	Score	.89
Exons	5095..5670		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11
Gene No.	18794	Strand	-
Start	2985	End	5843
Name	OJ991220_03.0118.C11.o1.np	Method	AAT/NAP
Start	2985	End	5843
GI	4454051	Score	1374
Exons	2985..3616, 3746..3816, 4067..4241, 5084..5204, 5295..5552, 5772..5843		
GI Descrip.	(AL035394) putative polygalacturonase [Arabidopsis thaliana]		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11
Gene No.	18794	Strand	-
Start	2985	End	5843
Name	OJ991220_03.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	2994	End	3619
GI	none	Score	194
Exons	2994..3617, 3022..3330, 3024..3368, 3409..3618, 3521..3619		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11
Gene No.	18794	Strand	-
Start	2985	End	5843
Name	OJ991220_03.0118.C11.o2.tc	Method	TBLASTX:Cress
Start	2994	End	3308
GI	none	Score	60
Exons	2994..3086, 3016..3084, 3093..3308, 3127..3294		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11
Gene No.	18794	Strand	-
Start	2985	End	5843
Name	OJ991220_03.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	3018	End	5204
GI	none	Score	46
Exons	3018..3089, 3019..3087, 3105..3617, 3127..3330, 3177..3368, 3409..3618, 3747..3818, 3748..3819, 4031..4243, 4048..4263, 4069..4209, 4070..4243, 5079..5204, 5080..5193		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11
Gene No.	18794	Strand	-
Start	2985	End	5843
Name	OJ991220_03.0118.C11.o2.tm	Method	TBLASTX:Maize
Start	4065	End	5546
GI	none	Score	140
Exons	4065..4106, 4069..4206, 4070..4243, 4155..4262, 5079..5207, 5080..5211, 5293..5517, 5295..5516, 5514..5546		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11

Gene No.	18794	Strand	-
Start	2985	End	5843
Name	OJ991220_03.0118.C11.o1.tc	Method	TBLASTX:Cress
Start	4091	End	5546
GI	none	Score	122
Exons	4091..4243, 4105..4209, 5079..5207, 5083..5205, 5295..5546, 5302..5538		

Seq. No.	8807	Seq. ID	OJ991220_03.0118.C11
Gene No.	18794	Strand	-
Start	2985	End	5843
Name	OJ991220_03.0118.C11.o2.ts	Method	TBLASTX:Soybean
Start	5293	End	5552
GI	none	Score	248
Exons	5293..5532, 5298..5552		

Seq. No.	8808	Seq. ID	OJ991220_03.0118.C12
Gene No.	18795	Strand	+
Start	10963	End	15667
Name	OJ991220_03.0118.C12.o3.gs	Method	GENSCAN
Start	10963	End	15586
GI	none	Score	.91
Exons	10963..11032, 11271..11332, 12255..12347, 12438..12510, 12603..12914, 13047..13132, 13437..13568, 13653..13694, 14028..14558, 14647..14807, 15079..15586		

Seq. No.	8808	Seq. ID	OJ991220_03.0118.C12
Gene No.	18795	Strand	+
Start	10963	End	15667
Name	OJ991220_03.0118.C12.o2.np	Method	AAT/NAP
Start	11812	End	15667
GI	4455367	Score	1202
Exons	11812..11885, 12585..12927, 13003..13077, 13437..13568, 13653..13694, 14028..14807, 15079..15667		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	8808	Seq. ID	OJ991220_03.0118.C12
Gene No.	18796	Strand	-
Start	5301	End	9105
Name	OJ991220_03.0118.C12.o1.np	Method	AAT/NAP
Start	5301	End	9105
GI	6721547	Score	76
Exons	5301..5331, 8967..9105		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	8808	Seq. ID	OJ991220_03.0118.C12
Gene No.	18797	Strand	-
Start	14829	End	14904
Name	OJ991220_03.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	12249	End	12676
GI	none	Score	143
Exons	12249..12350, 12254..12349, 12435..12506, 12614..12676		

Seq. No.	8808	Seq. ID	OJ991220_03.0118.C12
Gene No.	18797	Strand	-
Start	14829	End	14904
Name	OJ991220_03.0118.C12.o1.ts	Method	TBLASTX:Soybean

Start	14119	End	14561
GI	none	Score	105
Exons	14119..14241, 14120..14254, 14121..14357, 14180..14326, 14505..14561		

Seq. No.	8808	Seq. ID	OJ991220_03.0118.C12
Gene No.	18797	Strand	-
Start	14829	End	14904
Name	OJ991220_03.0118.C12.o1.gp	Method	AAT/GAP
Start	14829	End	14904
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	14829..14904		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8809	Seq. ID	OJ991220_03.0118.C13
Gene No.	18798	Strand	+
Start	1	End	2742
Name	OJ991220_03.0118.C13.o1.np	Method	AAT/NAP
Start	1	End	2742
GI	4455367	Score	1247
Exons	1..174, 265..366, 448..552, 969..1102, 1240..1423, 1612..1743, 1862..1974, 2341..2422, 2514..2742		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	8809	Seq. ID	OJ991220_03.0118.C13
Gene No.	18798	Strand	+
Start	1	End	2742
Name	OJ991220_03.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	46	End	1408
GI	none	Score	109
Exons	46..174, 82..174, 262..375, 264..374, 445..552, 445..552, 467..559, 960..1019, 1235..1408		

Seq. No.	8809	Seq. ID	OJ991220_03.0118.C13
Gene No.	18798	Strand	+
Start	1	End	2742
Name	OJ991220_03.0118.C13.o1.gs	Method	GENSCAN
Start	82	End	2676
GI	none	Score	.93
Exons	82..174, 265..366, 448..552, 969..1102, 1240..1423, 1612..1743, 1862..1974, 2341..2422, 2514..2676		

Seq. No.	8809	Seq. ID	OJ991220_03.0118.C13
Gene No.	18798	Strand	+
Start	1	End	2742
Name	OJ991220_03.0118.C13.o2.ts	Method	TBLASTX:Soybean
Start	268	End	1417
GI	none	Score	135
Exons	268..366, 273..365, 301..366, 441..551, 445..552, 463..552, 960..1097, 965..1135, 965..1108, 1229..1318, 1235..1417, 1240..1320, 1241..1384		

Seq. No.	8809	Seq. ID	OJ991220_03.0118.C13
Gene No.	18798	Strand	+
Start	1	End	2742

Name	OJ991220_03.0118.C13.o2.tm	Method	TBLASTX:Maize
Start	1020	End	2422
GI	none	Score	116
Exons	1020..1097, 1022..1108, 1025..1123, 1609..1743, 1611..1739, 1855..1965, 1859..1972, 1861..1974, 2339..2422		

Seq. No.	8809	Seq. ID	OJ991220_03.0118.C13
Gene No.	18798	Strand	+
Start	1	End	2742
Name	OJ991220_03.0118.C13.o2.tc	Method	TBLASTX:Cress
Start	1229	End	1426
GI	none	Score	58
Exons	1229..1423, 1277..1423, 1279..1413, 1286..1426		

Seq. No.	8809	Seq. ID	OJ991220_03.0118.C13
Gene No.	18798	Strand	+
Start	1	End	2742
Name	OJ991220_03.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	1608	End	1974
GI	none	Score	196
Exons	1608..1763, 1609..1743, 1846..1974, 1859..1972		

Seq. No.	8809	Seq. ID	OJ991220_03.0118.C13
Gene No.	18798	Strand	+
Start	1	End	2742
Name	OJ991220_03.0118.C13.o1.tc	Method	TBLASTX:Cress
Start	1609	End	2567
GI	none	Score	198
Exons	1609..1743, 1611..1763, 1846..1992, 1857..1940, 1859..1972, 2339..2407, 2514..2567		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18799	Strand	+
Start	1	End	995
Name	OJ991220_03.0118.C14.o1.gp	Method	AAT/GAP
Start	1	End	353
GI	7071_1.R1084	Score	694
Exons	1..353		
GI Descrip.	'4455367/emb|CAB36777.1| 1.0e-08 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18799	Strand	+
Start	1	End	995
Name	OJ991220_03.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	992
GI	4455367	Score	445
Exons	1..992		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18799	Strand	+
Start	1	End	995
Name	OJ991220_03.0118.C14.o1.gs	Method	GENSCAN
Start	108	End	995
GI	none	Score	.81
Exons	108..995		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18799	Strand	+
Start	1	End	995
Name	OJ991220_03.0118.C14.o2.gp	Method	AAT/GAP
Start	524	End	982
GI	none	Score	845
Exons	524..982		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18800	Strand	-
Start	1016	End	1661
Name	OJ991220_03.0118.C14.o3.gp	Method	AAT/GAP
Start	1016	End	1661
GI	none	Score	1288
Exons	1016..1661		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18801	Strand	-
Start	6545	End	10068
Name	OJ991220_03.0118.C14.o1.tm	Method	TBLASTX:Maize
Start	115	End	959
GI	none	Score	176
Exons	115..243, 115..243, 183..245, 240..764, 243..782, 512..781, 639..899, 753..899, 784..945, 800..931, 930..959		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18801	Strand	-
Start	6545	End	10068
Name	OJ991220_03.0118.C14.o1.ts	Method	TBLASTX:Soybean
Start	260	End	695
GI	none	Score	87
Exons	260..373, 264..539, 299..451, 442..486, 551..679, 552..593, 636..695		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18801	Strand	-
Start	6545	End	10068
Name	OJ991220_03.0118.C14.o2.tm	Method	TBLASTX:Maize
Start	6442	End	10068
GI	none	Score	130
Exons	6442..6471, 6453..6473, 6493..6654, 6534..6755, 6534..6656, 6536..6754, 8528..8743, 8528..8743, 8533..8751, 8538..8753, 9931..10041, 9932..10027, 10006..10041, 10039..10068		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18801	Strand	-
Start	6545	End	10068
Name	OJ991220_03.0118.C14.o2.ts	Method	TBLASTX:Soybean
Start	6536	End	10035
GI	none	Score	231
Exons	6536..6754, 6549..6752, 8520..8741, 8528..8743, 8531..8743, 9931..10035, 9932..9997		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18801	Strand	-
Start	6545	End	10068

Name	OJ991220_03.0118.C14.o2.np	Method	AAT/NAP
Start	6545	End	10056
GI	4455351	Score	569
Exons	6545..6778, 8528..8743, 9934..10056		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	8810	Seq. ID	OJ991220_03.0118.C14
Gene No.	18801	Strand	-
Start	6545	End	10068
Name	OJ991220_03.0118.C14.o1.tc	Method	TBLASTX:Cress
Start	6551	End	10029
GI	none	Score	165
Exons	6551..6697, 6552..6698, 6692..6754, 8519..8551, 8546..8743, 8551..8739, 8613..8744, 9931..10029		

Seq. No.	8811	Seq. ID	OJ991220_03.0118.C15
Gene No.	18802	Strand	+
Start	414	End	503
Name	OJ991220_03.0118.C15.o1.gs	Method	GENSCAN
Start	414	End	503
GI	none	Score	.84
Exons	414..503		

Seq. No.	8812	Seq. ID	OJ991020_08.0112.C1
Gene No.	18803	Strand	+
Start	443	End	763
Name	OJ991020_08.0112.C1.o1.gs	Method	GENSCAN
Start	443	End	763
GI	none	Score	.91
Exons	443..548, 660..763		

Seq. No.	8813	Seq. ID	OJ991020_08.0112.C2
Gene No.	18804	Strand	-
Start	1	End	810
Name	OJ991020_08.0112.C2.o1.np	Method	AAT/NAP
Start	1	End	810
GI	5091513	Score	1236
Exons	1..810		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8813	Seq. ID	OJ991020_08.0112.C2
Gene No.	18804	Strand	-
Start	1	End	810
Name	OJ991020_08.0112.C2.o1.gs	Method	GENSCAN
Start	35	End	670
GI	none	Score	.51
Exons	35..670		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o1.ts	Method	TBLASTX:Soybean
Start	12	End	2624
GI	none	Score	43
Exons	12..59, 75..278, 1983..2039, 2055..2258, 2349..2513, 2432..2509, 2535..2624, 2547..2618		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o1.gs	Method	GENSCAN
Start	57	End	7103
GI	none	Score	.71
Exons	57..265, 698..2245, 2354..2818, 2977..3017, 4813..4924, 4930..5121, 5531..5729, 5967..6207, 6376..7103		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o1.tc	Method	TBLASTX:Cress
Start	75	End	2903
GI	none	Score	149
Exons	75..233, 1533..1628, 1881..2054, 2043..2213, 2349..2528, 2352..2543, 2531..2662, 2535..2663, 2694..2903, 2710..2739		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o1.tm	Method	TBLASTX:Maize
Start	81	End	2879
GI	none	Score	146
Exons	81..269, 1938..2024, 2061..2249, 2352..2501, 2444..2662, 2535..2663, 2754..2879		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o1.np	Method	AAT/NAP
Start	463	End	3065
GI	6729489	Score	679
Exons	463..619, 1016..2245, 2354..3065		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o1.gp	Method	AAT/GAP
Start	672	End	1140
GI	2428447	Score	839
Exons	672..1140		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o3.tm	Method	TBLASTX:Maize
Start	1269	End	1538
GI	none	Score	65
Exons	1269..1310, 1283..1432, 1320..1538		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o1.tw	Method	TBLASTX:Wheat

Start	2343	End	2666
GI	none	Score	134
Exons	2343..2501, 2534..2662, 2535..2666		

Seq. No.	8814	Seq. ID	OJ991020_08.0112.C3
Gene No.	18805	Strand	+
Start	57	End	7394
Name	OJ991020_08.0112.C3.o2.tm	Method	TBLASTX:Maize
Start	6543	End	7394
GI	none	Score	122
Exons	6543..6677, 6756..6998, 7089..7169, 7290..7394		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o1.np	Method	AAT/NAP
Start	1	End	2362
GI	6466937	Score	1556
Exons	1..2362		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o2.ts	Method	TBLASTX:Soybean
Start	18	End	314
GI	none	Score	229
Exons	18..314, 123..296		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o2.tm	Method	TBLASTX:Maize
Start	65	End	579
GI	none	Score	589
Exons	65..193, 81..578, 84..434, 85..579, 260..577, 525..578		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o2.tw	Method	TBLASTX:Wheat
Start	81	End	428
GI	none	Score	302
Exons	81..428		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o3.ts	Method	TBLASTX:Soybean
Start	338	End	581
GI	none	Score	222
Exons	338..487, 339..581, 342..536		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403

Name	OJ991020_08.0112.C4.o1.gs	Method	GENSCAN
Start	373	End	3377
GI	none	Score	.64
Exons	373..513, 1574..1812, 2005..2107, 2159..2441, 2473..2495, 2677..2936, 3141..3377		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o4.tm	Method	TBLASTX:Maize
Start	581	End	1005
GI	none	Score	236
Exons	581..748, 582..755, 771..812, 774..821, 829..1005		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o4.tw	Method	TBLASTX:Wheat
Start	832	End	1173
GI	none	Score	299
Exons	832..1173, 915..1061, 1107..1172		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o1.tm	Method	TBLASTX:Maize
Start	1006	End	1641
GI	none	Score	734
Exons	1006..1641, 1008..1640, 1183..1641		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o1.ts	Method	TBLASTX:Soybean
Start	1030	End	1413
GI	none	Score	309
Exons	1030..1413, 1143..1409		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o3.tw	Method	TBLASTX:Wheat
Start	1261	End	1641
GI	none	Score	300
Exons	1261..1641, 1356..1640		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o3.tm	Method	TBLASTX:Maize
Start	1687	End	2258
GI	none	Score	505
Exons	1687..2253, 1690..1773, 1770..1994, 2115..2258		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403

Name	OJ991020_08.0112.C4.o1.tw	Method	TBLASTX:Wheat
Start	1708	End	2010
GI	none	Score	310
Exons	1708..2010, 1741..1989, 1812..1994		

Seq. No.	8815	Seq. ID	OJ991020_08.0112.C4
Gene No.	18806	Strand	+
Start	1	End	3403
Name	OJ991020_08.0112.C4.o2.np	Method	AAT/NAP
Start	2739	End	3403
GI	6573436	Score	138
Exons	2739..2834, 2863..3403		
GI Descrip.	Chain A, Lectin Ii From Ulex Europaeus gi|6573437|pdb|1QNW|B Chain B, Lectin Ii From Ulex Europaeus gi|6573438|pdb|1QNW|C Chain C, Lectin Ii From Ulex Europaeus gi|6573439|pdb|1QNW|D Chain D, Lectin Ii From Ulex Europaeus gi|6573440|pdb|1QOO|A Chain A, Lectin Uea-Ii Complexed With Nag gi|6573441|pdb|1QOO|B Chain B, Lectin Uea-Ii Complexed With Nag gi|6573442|pdb|1QOO|C Chain		

Seq. No.	8816	Seq. ID	OJ991020_08.0112.C5
Gene No.	18807	Strand	+
Start	1	End	1577
Name	OJ991020_08.0112.C5.o1.np	Method	AAT/NAP
Start	1	End	1577
GI	6729489	Score	604
Exons	1..31, 95..501, 594..1205, 1482..1577		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	8816	Seq. ID	OJ991020_08.0112.C5
Gene No.	18807	Strand	+
Start	1	End	1577
Name	OJ991020_08.0112.C5.o1.gs	Method	GENSCAN
Start	29	End	1263
GI	none	Score	.41
Exons	29..501, 594..1263		

Seq. No.	8816	Seq. ID	OJ991020_08.0112.C5
Gene No.	18808	Strand	+
Start	2291	End	4368
Name	OJ991020_08.0112.C5.o1.tc	Method	TBLASTX:Cress
Start	137	End	1143
GI	none	Score	107
Exons	137..310, 299..469, 591..749, 592..771, 592..756, 771..902, 775..903, 934..1143		

Seq. No.	8816	Seq. ID	OJ991020_08.0112.C5
Gene No.	18808	Strand	+
Start	2291	End	4368
Name	OJ991020_08.0112.C5.o2.tm	Method	TBLASTX:Maize
Start	161	End	406
GI	none	Score	107
Exons	161..274, 178..273, 299..406, 306..401, 319..405		

Seq. No.	8816	Seq. ID	OJ991020_08.0112.C5
Gene No.	18808	Strand	+

Start	2291	End	4368
Name	OJ991020_08.0112.C5.o1.ts	Method	TBLASTX:Soybean
Start	239	End	864
GI	none	Score	53
Exons	239..295, 311..502, 591..749, 592..753, 775..864		

Seq. No.	8816	Seq. ID	OJ991020_08.0112.C5
Gene No.	18808	Strand	+
Start	2291	End	4368
Name	OJ991020_08.0112.C5.o1.tw	Method	TBLASTX:Wheat
Start	338	End	819
GI	none	Score	79
Exons	338..487, 592..819		

Seq. No.	8816	Seq. ID	OJ991020_08.0112.C5
Gene No.	18808	Strand	+
Start	2291	End	4368
Name	OJ991020_08.0112.C5.o1.tm	Method	TBLASTX:Maize
Start	407	End	1173
GI	none	Score	96
Exons	407..502, 591..752, 592..753, 625..753, 775..903, 786..965, 940..1173, 946..1119		

Seq. No.	8816	Seq. ID	OJ991020_08.0112.C5
Gene No.	18808	Strand	+
Start	2291	End	4368
Name	OJ991020_08.0112.C5.o2.np	Method	AAT/NAP
Start	2291	End	4368
GI	5734709	Score	87
Exons	2291..2344, 3538..3604, 3918..4114, 4169..4368		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	8817	Seq. ID	OJ991020_08.0112.C6
Gene No.	18809	Strand	+
Start	3662	End	8799
Name	OJ991020_08.0112.C6.o2.gs	Method	GENSCAN
Start	3662	End	8799
GI	none	Score	.43
Exons	3662..3755, 5023..5132, 5160..5462, 5609..5813, 5974..5993, 6032..6158, 6590..7096, 7363..7623, 8506..8658, 8780..8799		

Seq. No.	8817	Seq. ID	OJ991020_08.0112.C6
Gene No.	18810	Strand	+
Start	11654	End	15864
Name	OJ991020_08.0112.C6.o4.np	Method	AAT/NAP
Start	11654	End	15864
GI	5668816	Score	302
Exons	11654..11746, 11871..12024, 12637..12731, 13077..13136, 13223..13314, 13394..13529, 13626..13716, 15813..15864		
GI Descrip.	(AC007519) F16N3.15 [Arabidopsis thaliana]		

Seq. No.	8817	Seq. ID	OJ991020_08.0112.C6
Gene No.	18811	Strand	-
Start	1	End	1669
Name	OJ991020_08.0112.C6.o1.np	Method	AAT/NAP
Start	1	End	1669

GI	6069653	Score	1438
Exons	1..574, 602..1427, 1462..1669		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	8817	Seq. ID	OJ991020_08.0112.C6
Gene No.	18812	Strand	-
Start	2706	End	4972
Name	OJ991020_08.0112.C6.o2.np	Method	AAT/NAP
Start	2706	End	4972
GI	4680186	Score	183
Exons	2706..2773, 3355..3586, 4932..4972		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8817	Seq. ID	OJ991020_08.0112.C6
Gene No.	18813	Strand	-
Start	9616	End	15282
Name	OJ991020_08.0112.C6.o3.gs	Method	GENSCAN
Start	9616	End	15282
GI	none	Score	.55
Exons	9616..9738, 9825..10446, 10589..10719, 10756..10879, 11525..11732, 11802..12104, 12210..12269, 12391..12438, 15201..15282		

Seq. No.	8817	Seq. ID	OJ991020_08.0112.C6
Gene No.	18813	Strand	-
Start	9616	End	15282
Name	OJ991020_08.0112.C6.o3.np	Method	AAT/NAP
Start	10567	End	10856
GI	4914442	Score	121
Exons	10567..10856		
GI Descrip.	(AL050351) putative protein [Arabidopsis thaliana]		

Seq. No.	8818	Seq. ID	OJ991020_08.0112.C7
Gene No.	18814	Strand	+
Start	72	End	238
Name	OJ991020_08.0112.C7.o1.gs	Method	GENSCAN
Start	72	End	238
GI	none	Score	.96
Exons	72..238		

Seq. No.	8818	Seq. ID	OJ991020_08.0112.C7
Gene No.	18815	Strand	+
Start	3016	End	3837
Name	OJ991020_08.0112.C7.o2.gp	Method	AAT/GAP
Start	3016	End	3837
GI	24989_1.R1084	Score	318
Exons	3016..3220, 3796..3837		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	8818	Seq. ID	OJ991020_08.0112.C7
Gene No.	18816	Strand	-
Start	70	End	399
Name	OJ991020_08.0112.C7.o1.gp	Method	AAT/GAP
Start	70	End	399
GI	2428744	Score	625
Exons	70..399		

Seq. No.	8818	Seq. ID	OJ991020_08.0112.C7
Gene No.	18817	Strand	-
Start	1774	End	3802
Name	OJ991020_08.0112.C7.o2.gs	Method	GENSCAN
Start	1774	End	3802
GI	none	Score	.5
Exons	1774..1867, 2565..2601, 3683..3802		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18818	Strand	+
Start	277	End	4193
Name	OJ991020_08.0112.C8.o1.gp	Method	AAT/GAP
Start	277	End	1100
GI	24989_1.R1084	Score	307
Exons	277..301, 904..1100		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18818	Strand	+
Start	277	End	4193
Name	OJ991020_08.0112.C8.o1.gs	Method	GENSCAN
Start	558	End	4032
GI	none	Score	.61
Exons	558..600, 667..686, 907..969, 1713..1869, 3467..3694, 3866..4032		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18818	Strand	+
Start	277	End	4193
Name	OJ991020_08.0112.C8.o3.gp	Method	AAT/GAP
Start	3620	End	4193
GI	2428744	Score	767
Exons	3620..3694, 3866..4193		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18819	Strand	+
Start	5120	End	6765
Name	OJ991020_08.0112.C8.o2.gs	Method	GENSCAN
Start	5120	End	6765
GI	none	Score	.8
Exons	5120..5140, 5842..6049, 6737..6765		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18820	Strand	+
Start	7217	End	10711
Name	OJ991020_08.0112.C8.o1.np	Method	AAT/NAP
Start	7217	End	10711
GI	5295951	Score	142
Exons	7217..7435, 10673..10711		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18821	Strand	-
Start	1706	End	2617
Name	OJ991020_08.0112.C8.o2.gp	Method	AAT/GAP

Start	1706	End	2617
GI	31877_1.R1084	Score	221
Exons	1706..1783, 1918..1987, 2600..2617		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18822	Strand	-
Start	7319	End	13942
Name	OJ991020_08.0112.C8.o3.gs	Method	GENSCAN
Start	7319	End	12016
GI	none	Score	.67
Exons	7319..7496, 7616..7741, 8358..8471, 8877..8992, 9499..9534, 10997..11151, 11305..11552, 11775..12016		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18822	Strand	-
Start	7319	End	13942
Name	OJ991020_08.0112.C8.o2.np	Method	AAT/NAP
Start	8441	End	13650
GI	5091513	Score	1783
Exons	8441..8514, 10162..10312, 11062..11139, 11430..12217, 12874..13650		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18822	Strand	-
Start	7319	End	13942
Name	OJ991020_08.0112.C8.o4.gp	Method	AAT/GAP
Start	8502	End	8748
GI	3761181	Score	437
Exons	8502..8748		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18822	Strand	-
Start	7319	End	13942
Name	OJ991020_08.0112.C8.o4.gs	Method	GENSCAN
Start	13034	End	13942
GI	none	Score	.76
Exons	13034..13942		

Seq. No.	8819	Seq. ID	OJ991020_08.0112.C8
Gene No.	18823	Strand	-
Start	13973	End	14219
Name	OJ991020_08.0112.C8.o5.gp	Method	AAT/GAP
Start	13973	End	14219
GI	3761181	Score	439
Exons	13973..14219		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8820	Seq. ID	OJ991020_08.0112.C10
Gene No.	18824	Strand	+
Start	3842	End	3979
Name	OJ991020_08.0112.C10.o1.gp	Method	AAT/GAP

Start	3842	End	3979
GI	LIB3431-027-P1-K1-D5	Score	245
Exons	3842..3979		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	8820	Seq. ID	OJ991020_08.0112.C10
Gene No.	18825	Strand	-
Start	1604	End	3227
Name	OJ991020_08.0112.C10.o1.gs	Method	GENSCAN
Start	1604	End	3227
GI	none	Score	.72
Exons	1604..1632, 2503..2598, 2757..2947, 3088..3227		

Seq. No.	8821	Seq. ID	OJ991020_08.0112.C11
Gene No.	18826	Strand	+
Start	82	End	426
Name	OJ991020_08.0112.C11.o1.gs	Method	GENSCAN
Start	82	End	426
GI	none	Score	.86
Exons	82..426		

Seq. No.	8821	Seq. ID	OJ991020_08.0112.C11
Gene No.	18827	Strand	-
Start	1788	End	1816
Name	OJ991020_08.0112.C11.o2.gs	Method	GENSCAN
Start	1788	End	1816
GI	none	Score	.87
Exons	1788..1816		

Seq. No.	8822	Seq. ID	OJ991020_08.0112.C13
Gene No.	18828	Strand	+
Start	103	End	265
Name	OJ991020_08.0112.C13.o1.gs	Method	GENSCAN
Start	103	End	265
GI	none	Score	.7
Exons	103..265		

Seq. No.	8822	Seq. ID	OJ991020_08.0112.C13
Gene No.	18829	Strand	+
Start	1766	End	2278
Name	OJ991020_08.0112.C13.o1.gp	Method	AAT/GAP
Start	1766	End	2278
GI	LIB3432-059-P1-K1-D8	Score	713
Exons	1766..2177, 2257..2278		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	8822	Seq. ID	OJ991020_08.0112.C13
Gene No.	18830	Strand	+
Start	5589	End	5782
Name	OJ991020_08.0112.C13.o1.np	Method	AAT/NAP
Start	5589	End	5782
GI	4234846	Score	80
Exons	5589..5782		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	8822	Seq. ID	OJ991020_08.0112.C13
Gene No.	18831	Strand	-
Start	2470	End	5869
Name	OJ991020_08.0112.C13.o2.gs	Method	GENSCAN
Start	2470	End	5869
GI	none	Score	.81
Exons	2470..2634, 3830..3888, 4338..4607, 5822..5869		

Seq. No.	8823	Seq. ID	OJ991020_08.0112.C14
Gene No.	18832	Strand	+
Start	127	End	680
Name	OJ991020_08.0112.C14.o1.gs	Method	GENSCAN
Start	127	End	680
GI	none	Score	.8
Exons	127..265, 661..680		

Seq. No.	8823	Seq. ID	OJ991020_08.0112.C14
Gene No.	18833	Strand	+
Start	1308	End	1440
Name	OJ991020_08.0112.C14.o1.gp	Method	AAT/GAP
Start	1308	End	1440
GI	2310968	Score	171
Exons	1308..1440		

Seq. No.	8823	Seq. ID	OJ991020_08.0112.C14
Gene No.	18834	Strand	+
Start	4169	End	9805
Name	OJ991020_08.0112.C14.o2.np	Method	AAT/NAP
Start	4169	End	9805
GI	6063554	Score	325
Exons	4169..4191, 8093..8313, 8968..8996, 9632..9805		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8823	Seq. ID	OJ991020_08.0112.C14
Gene No.	18835	Strand	-
Start	2852	End	4220
Name	OJ991020_08.0112.C14.o2.gs	Method	GENSCAN
Start	2852	End	4220
GI	none	Score	.62
Exons	2852..2965, 3555..3725, 3960..4049, 4149..4220		

Seq. No.	8823	Seq. ID	OJ991020_08.0112.C14
Gene No.	18835	Strand	-
Start	2852	End	4220
Name	OJ991020_08.0112.C14.o1.np	Method	AAT/NAP
Start	3672	End	4143
GI	5042454	Score	236
Exons	3672..3725, 3960..4143		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	8823	Seq. ID	OJ991020_08.0112.C14
Gene No.	18836	Strand	-
Start	6319	End	6737
Name	OJ991020_08.0112.C14.o3.gp	Method	AAT/GAP
Start	6283	End	6737

GI	2428763	Score	852
Exons	6283..6737		

Seq. No.	8823	Seq. ID	OJ991020_08.0112.C14
Gene No.	18836	Strand	-
Start	6319	End	6737
Name	OJ991020_08.0112.C14.o3.gs	Method	GENSCAN
Start	6319	End	6708
GI	none	Score	.48
Exons	6319..6708		

Seq. No.	8823	Seq. ID	OJ991020_08.0112.C14
Gene No.	18837	Strand	-
Start	10173	End	10468
Name	OJ991020_08.0112.C14.o4.gp	Method	AAT/GAP
Start	10173	End	10468
GI	61605_3.R1084	Score	455
Exons	10173..10468		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	8824	Seq. ID	OJ991020_08.0112.C15
Gene No.	18838	Strand	+
Start	1709	End	3155
Name	OJ991020_08.0112.C15.o2.np	Method	AAT/NAP
Start	1709	End	3155
GI	6523547	Score	359
Exons	1709..2234, 2455..2962, 3059..3155		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	8824	Seq. ID	OJ991020_08.0112.C15
Gene No.	18839	Strand	-
Start	1	End	3155
Name	OJ991020_08.0112.C15.o1.np	Method	AAT/NAP
Start	1	End	3155
GI	4544372	Score	329
Exons	1..40, 347..970, 3105..3155		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8824	Seq. ID	OJ991020_08.0112.C15
Gene No.	18839	Strand	-
Start	1	End	3155
Name	OJ991020_08.0112.C15.o1.tw	Method	TBLASTX:Wheat
Start	335	End	683
GI	none	Score	78
Exons	335..505, 339..632, 342..641, 355..633, 636..683		

Seq. No.	8824	Seq. ID	OJ991020_08.0112.C15
Gene No.	18839	Strand	-
Start	1	End	3155
Name	OJ991020_08.0112.C15.o1.gs	Method	GENSCAN
Start	339	End	1278
GI	none	Score	.88
Exons	339..787, 926..1104, 1220..1278		

Seq. No.	8824	Seq. ID	OJ991020_08.0112.C15
Gene No.	18839	Strand	-
Start	1	End	3155
Name	OJ991020_08.0112.C15.o1.tm	Method	TBLASTX:Maize
Start	373	End	638
GI	none	Score	275
Exons	373..633, 375..638		

Seq. No.	8824	Seq. ID	OJ991020_08.0112.C15
Gene No.	18839	Strand	-
Start	1	End	3155
Name	OJ991020_08.0112.C15.o1.ts	Method	TBLASTX:Soybean
Start	489	End	843
GI	none	Score	71
Exons	489..623, 630..842, 721..843		

Seq. No.	8825	Seq. ID	OJ991020_08.0112.C16
Gene No.	18840	Strand	+
Start	1	End	3738
Name	OJ991020_08.0112.C16.o1.np	Method	AAT/NAP
Start	1	End	3738
GI	6665549	Score	56
Exons	1..31, 704..838, 3720..3738		
GI Descrip.	(AC013289) putative cullin [Arabidopsis thaliana]		

Seq. No.	8825	Seq. ID	OJ991020_08.0112.C16
Gene No.	18840	Strand	+
Start	1	End	3738
Name	OJ991020_08.0112.C16.o1.gp	Method	AAT/GAP
Start	1389	End	3358
GI	2800878	Score	253
Exons	1389..1480, 1965..2005, 3299..3358		
GI Descrip.	2280517/dbj|AB005878|AB005878 3.0e-24 Nicotiana tabacum mRNA for BYJ15, partial cds		

Seq. No.	8825	Seq. ID	OJ991020_08.0112.C16
Gene No.	18841	Strand	-
Start	3491	End	3621
Name	OJ991020_08.0112.C16.o2.gs	Method	GENSCAN
Start	3491	End	3621
GI	none	Score	.95
Exons	3491..3621		

Seq. No.	8826	Seq. ID	OJ991020_08.0112.C17
Gene No.	18842	Strand	+
Start	305	End	621
Name	OJ991020_08.0112.C17.o1.gp	Method	AAT/GAP
Start	305	End	621
GI	LIB3433-016-Q6-K6-G7	Score	554
Exons	305..621		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	8826	Seq. ID	OJ991020_08.0112.C17
Gene No.	18843	Strand	+
Start	1389	End	1695
Name	OJ991020_08.0112.C17.o2.gp	Method	AAT/GAP

Start	1389	End	1695
GI	62565_1.R1084	Score	487
Exons	1389..1695		
GI Descrip.	'2149018/gb|U70541|OSU70541 1.0e-23 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	8826	Seq. ID	OJ991020_08.0112.C17
Gene No.	18844	Strand	-
Start	95	End	235
Name	OJ991020_08.0112.C17.o1.gs	Method	GENSCAN
Start	95	End	235
GI	none	Score	.93
Exons	95..235		

Seq. No.	8827	Seq. ID	OJ991110_03.0120.C1
Gene No.	18845	Strand	+
Start	418	End	573
Name	OJ991110_03.0120.C1.o1.np	Method	AAT/NAP
Start	418	End	573
GI	4769000	Score	276
Exons	418..573		
GI Descrip.	(AF140500) unknown [Oryza sativa]		

Seq. No.	8827	Seq. ID	OJ991110_03.0120.C1
Gene No.	18846	Strand	+
Start	842	End	1605
Name	OJ991110_03.0120.C1.o1.gs	Method	GENSCAN
Start	842	End	1605
GI	none	Score	.89
Exons	842..983, 1451..1605		

Seq. No.	8827	Seq. ID	OJ991110_03.0120.C1
Gene No.	18847	Strand	-
Start	330	End	645
Name	OJ991110_03.0120.C1.o1.gp	Method	AAT/GAP
Start	330	End	645
GI	4768999	Score	575
Exons	330..645		
GI Descrip.	4769000/gb|AAD29713.1| 3.0e-24 (AF140500) unknown [Oryza sativa]		

Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18848	Strand	+
Start	1949	End	4959
Name	OJ991110_03.0120.C2.o1.gp	Method	AAT/GAP
Start	1949	End	4959
GI	15594_1.R1084	Score	1938
Exons	1949..2327, 3335..3521, 3703..3810, 4617..4959		
GI Descrip.	'3402679 6.0e-09 (AC004697) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18848	Strand	+
Start	1949	End	4959
Name	OJ991110_03.0120.C2.o1.gs	Method	GENSCAN
Start	2124	End	4124
GI	none	Score	.68

Exons	2124..2327, 3335..3521, 3703..3810, 4102..4124		
Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18849	Strand	+
Start	19000	End	19858
Name	OJ991110_03.0120.C2.o4.gs	Method	GENSCAN
Start	19000	End	19858
GI	none	Score	.59
Exons	19000..19135, 19336..19468, 19470..19691, 19777..19858		
Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o3.tm	Method	TBLASTX:Maize
Start	75	End	694
GI	none	Score	52
Exons	75..155, 78..143, 179..316, 205..300, 208..315, 208..297, 221..397, 223..306, 223..324, 223..300, 224..331, 224..307, 226..345, 333..458, 333..464, 333..452, 334..462, 334..498, 342..527, 348..494, 352..462, 355..549, 356..508, 376..462, 445..534, 446..535, 447..536, 496..588, 524..652, 527..619, 527..589, 564..608, 572..619, 573..608, 640..693, 653..694		
Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o2.tm	Method	TBLASTX:Maize
Start	2177	End	4975
GI	none	Score	280
Exons	2177..2338, 2178..2339, 3334..3519, 3334..3519, 3335..3520, 3335..3520, 3677..3778, 3702..3812, 3702..3809, 4618..4749, 4619..4756, 4619..4756, 4752..4853, 4778..4855, 4918..4971, 4931..4975		
Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o2.ts	Method	TBLASTX:Soybean
Start	2180	End	4750
GI	none	Score	224
Exons	2180..2329, 2181..2330, 3334..3519, 3335..3520, 3353..3526, 3372..3521, 3680..3778, 3702..3812, 3702..3815, 4582..4740, 4619..4750, 4621..4716		
Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o2.tc	Method	TBLASTX:Cress
Start	2190	End	3433
GI	none	Score	216
Exons	2190..2339, 2195..2341, 3333..3428, 3334..3432, 3335..3433		
Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o1.tm	Method	TBLASTX:Maize
Start	5612	End	7156

GI	none	Score	48
Exons	5612..5671, 5618..5662, 5619..5669, 5746..5853, 5747..5854, 5748..5855, 5749..5856, 5943..6116, 5943..6113, 5945..6121, 5945..6118, 6434..6472, 6434..6475, 6473..6607, 6482..6598, 6635..6766, 6660..6767, 6747..6794, 6758..6793, 6876..7019, 6881..7012, 6943..7020, 7042..7116, 7115..7156		

Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o1.tc	Method	TBLASTX:Cress
Start	5630	End	6773
GI	none	Score	50
Exons	5630..5683, 5639..5668, 5746..5853, 5747..5854, 5796..5882, 5945..6118, 5946..6119, 5949..6119, 6434..6607, 6437..6583, 6653..6772, 6669..6773, 6714..6773		

Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o2.gs	Method	GENSCAN
Start	5630	End	8947
GI	none	Score	.49
Exons	5630..5659, 5749..5854, 5946..6118, 6437..6595, 6674..6793, 6876..7166, 7866..8070, 8886..8947		

Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o1.ts	Method	TBLASTX:Soybean
Start	5630	End	6773
GI	none	Score	41
Exons	5630..5683, 5636..5665, 5746..5853, 5747..5884, 5945..6118, 5949..6119, 6433..6579, 6434..6655, 6464..6595, 6653..6772, 6669..6773		

Seq. No.	8828	Seq. ID	OJ991110_03.0120.C2
Gene No.	18850	Strand	-
Start	5630	End	11061
Name	OJ991110_03.0120.C2.o1.np	Method	AAT/NAP
Start	5633	End	11061
GI	2160148	Score	591
Exons	5633..5659, 5749..5854, 5946..6118, 6437..6595, 6674..6775, 6993..7058, 10885..11061		
GI Descrip.	(AC000375) EST gb|H37044 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o1.np	Method	AAT/NAP
Start	1	End	14685
GI	4587572	Score	11144
Exons	1..185, 272..328, 1150..1323, 2071..2262, 2352..2417, 2739..2853, 2983..4112, 4327..5031, 5122..5224, 5305..6395, 6478..8128, 8201..10408, 10445..11224, 11919..12227, 12375..12681, 12797..12943, 13458..14685		

GI Descrip. (AC006550) Similar to gb|U70015 lysosomal trafficking regulator from Mus musculus and contains 2 PF|00400 WD40, G-beta repeats. ESTs gb|T43386 and gb|AA395236 come from this gene. [Arabidopsis thaliana]

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o1.gs	Method	GENSCAN
Start	50	End	14624
GI	none	Score	.84
Exons	50..185, 1150..1323, 2071..2262, 2739..2853, 2983..4112, 4327..4726, 4939..5031, 5122..5224, 5305..6395, 6478..8128, 8201..11137, 11919..12227, 12465..12681, 12797..12943, 13458..14624		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o4.ts	Method	TBLASTX:Soybean
Start	3873	End	4431
GI	none	Score	190
Exons	3873..4112, 3887..4051, 4324..4431, 4326..4430		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o2.tm	Method	TBLASTX:Maize
Start	9941	End	10625
GI	none	Score	1002
Exons	9941..10348, 9942..10625, 9942..10625		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o1.tc	Method	TBLASTX:Cress
Start	10473	End	10835
GI	none	Score	385
Exons	10473..10835, 10502..10822		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o5.tm	Method	TBLASTX:Maize
Start	10712	End	11024
GI	none	Score	473
Exons	10712..11014, 10713..11024		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o6.tm	Method	TBLASTX:Maize
Start	11025	End	11180
GI	none	Score	281
Exons	11025..11180, 11028..11177		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3

Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o4.tm	Method	TBLASTX:Maize
Start	11901	End	12231
GI	none	Score	486
Exons	11901..12227, 11902..12231		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o1.ts	Method	TBLASTX:Soybean
Start	11925	End	12916
GI	none	Score	203
Exons	11925..12191, 11925..12227, 11926..12231, 12347..12682, 12372..12683, 12372..12683, 12373..12684, 12794..12916, 12795..12911, 12796..12915		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o3.tc	Method	TBLASTX:Cress
Start	12004	End	12189
GI	none	Score	236
Exons	12004..12189, 12015..12188		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o7.tm	Method	TBLASTX:Maize
Start	12409	End	12832
GI	none	Score	110
Exons	12409..12564, 12577..12684, 12797..12832		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o1.gp	Method	AAT/GAP
Start	12633	End	13722
GI	3759069	Score	882
Exons	12633..12681, 12797..12943, 13458..13722		
GI Descrip.	3892055/gb|AAC78268.1|AAC78268 2.0e-73 (AC002330) putative transport protein [Arabidopsis thaliana]		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o3.tm	Method	TBLASTX:Maize
Start	12841	End	13867
GI	none	Score	156
Exons	12841..12942, 12842..12943, 13455..13865, 13457..13867, 13457..13864		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o3.ts	Method	TBLASTX:Soybean
Start	13761	End	14111

GI	none	Score	296
Exons	13761..14000, 13761..13961, 13784..13990, 13979..14068, 13983..14069, 14070..14111, 14072..14110		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o1.tm	Method	TBLASTX:Maize
Start	13867	End	15014
GI	none	Score	1186
Exons	13867..14625, 13868..14641, 13869..14630, 14871..15014		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o1.tw	Method	TBLASTX:Wheat
Start	14078	End	14199
GI	none	Score	192
Exons	14078..14197, 14079..14198, 14098..14199		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o2.ts	Method	TBLASTX:Soybean
Start	14127	End	14528
GI	none	Score	364
Exons	14127..14417, 14129..14377, 14290..14385, 14406..14528, 14414..14527		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o2.tc	Method	TBLASTX:Cress
Start	14133	End	14555
GI	none	Score	364
Exons	14133..14441, 14135..14419, 14385..14555, 14438..14554		

Seq. No.	8829	Seq. ID	OJ991110_03.0120.C3
Gene No.	18851	Strand	+
Start	1	End	15096
Name	OJ991110_03.0120.C3.o2.gp	Method	AAT/GAP
Start	14224	End	15096
GI	11027_1.R1084	Score	1673
Exons	14224..15096		
GI Descrip.	'4587572/gb|AAD25803.1|AC006550_11 4.0e-41 (AC006550) Similar to gb_U70015 lysosomal trafficking regulator from Mus musculus and contains 2 PF_00400 WD40, G-beta repeats. ESTs gb_T43386 and gb_AA395236 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18852	Strand	+
Start	601	End	3637
Name	OJ991110_03.0120.C4.o1.gs	Method	GENSCAN
Start	601	End	3349
GI	none	Score	.59
Exons	601..1055, 2612..2852, 2932..3052, 3162..3349		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18852	Strand	+
Start	601	End	3637
Name	OJ991110_03.0120.C4.o1.gp	Method	AAT/GAP
Start	760	End	3637
GI	3872_1.R1084	Score	2147
Exons	760..1055, 2612..2852, 2932..3052, 3162..3637		
GI Descrip.	'542200/pir||S41890 8.0e-56 hypothetical protein - garden asparagus >gi_452714_emb_CAA54526_ (X77320) unknown [Asparagus officinalis]'		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18852	Strand	+
Start	601	End	3637
Name	OJ991110_03.0120.C4.o1.np	Method	AAT/NAP
Start	1189	End	3349
GI	643469	Score	413
Exons	1189..1251, 2541..2852, 2932..3052, 3162..3349		
GI Descrip.	(U19886) unknown [Lycopersicon esculentum]		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18853	Strand	+
Start	5233	End	15625
Name	OJ991110_03.0120.C4.o2.gs	Method	GENSCAN
Start	5233	End	14893
GI	none	Score	.76
Exons	5233..5324, 5357..6240, 6906..6994, 7627..7811, 8253..8750, 9643..9907, 10524..11467, 11550..11973, 12046..12227, 12907..13063, 13140..13367, 13449..13799, 14482..14583, 14663..14893		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18853	Strand	+
Start	5233	End	15625
Name	OJ991110_03.0120.C4.o2.np	Method	AAT/NAP
Start	7419	End	14881
GI	3142291	Score	1845
Exons	7419..7522, 8346..8750, 9643..9907, 10524..11097, 11158..11467, 11550..11973, 12046..12227, 12907..13063, 13140..13367, 13449..13799, 14482..14583, 14657..14881		
GI Descrip.	(AC002411) Contains similarity to adenylate cyclase gb|AF012921 from Magnaporthe grisae. EST gb|Z24512 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18853	Strand	+
Start	5233	End	15625
Name	OJ991110_03.0120.C4.o2.gp	Method	AAT/GAP
Start	10839	End	11306
GI	2443105	Score	843
Exons	10839..11306		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18853	Strand	+
Start	5233	End	15625
Name	OJ991110_03.0120.C4.o3.gp	Method	AAT/GAP
Start	13727	End	15625

GI	36901_1.R1084	Score	2202
Exons	13727..13799, 14482..14583, 14663..15625		
GI Descrip.	'3142291 2.0e-21 (AC002411) Contains similarity to adenylate cyclase gb_AF012921 from Magnaporthe grisae. EST gb_Z24512 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18854	Strand	+
Start	28459	End	32415
Name	OJ991110_03.0120.C4.o4.gs	Method	GENSCAN
Start	28459	End	32094
GI	none	Score	.86
Exons	28459..28543, 29219..29449, 29550..29715, 30781..31186, 31332..31592, 31769..31855, 31954..32094		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18854	Strand	+
Start	28459	End	32415
Name	OJ991110_03.0120.C4.o3.np	Method	AAT/NAP
Start	29177	End	32091
GI	4063821	Score	2337
Exons	29177..29715, 30781..31186, 31332..31592, 31772..31855, 31954..32091		
GI Descrip.	(AB015204) plastidic ATP sulfurylase [Oryza sativa]		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18854	Strand	+
Start	28459	End	32415
Name	OJ991110_03.0120.C4.o6.gp	Method	AAT/GAP
Start	29593	End	32415
GI	3359_1.R1084	Score	2540
Exons	29593..29715, 30781..31186, 31332..31592, 31769..31855, 31954..32415		
GI Descrip.	'4063821/dbj|BAA36274| 0.0e+00 (AB015204) plastidic ATP sulfurylase [Oryza sativa]'		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18855	Strand	+
Start	43378	End	43784
Name	OJ991110_03.0120.C4.o7.gp	Method	AAT/GAP
Start	43378	End	43784
GI	none	Score	779
Exons	43378..43784		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18856	Strand	-
Start	18989	End	19422
Name	OJ991110_03.0120.C4.o4.gp	Method	AAT/GAP
Start	18989	End	19422
GI	none	Score	832
Exons	18989..19422		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18857	Strand	-
Start	19479	End	19793
Name	OJ991110_03.0120.C4.o5.gp	Method	AAT/GAP
Start	19479	End	19793

GI	none	Score	575
Exons	19479..19793		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18858	Strand	-
Start	33065	End	41953
Name	OJ991110_03.0120.C4.o5.gs	Method	GENSCAN
Start	33065	End	41953
GI	none	Score	.88
Exons	33065..33146, 33272..33401, 33441..36522, 36620..37009, 38313..39304, 39375..40557, 40679..41333, 41501..41777, 41815..41953		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18858	Strand	-
Start	33065	End	41953
Name	OJ991110_03.0120.C4.o4.np	Method	AAT/NAP
Start	33347	End	41377
GI	4836892	Score	7392
Exons	33347..36522, 36620..37009, 38313..40542, 40670..41377		
GI Descrip.	(AC007369) Putative RNA helicase [Arabidopsis thaliana]		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o2.tc	Method	TBLASTX:Cress
Start	847	End	3366
GI	none	Score	58
Exons	847..900, 982..1056, 2601..2849, 2603..2812, 2607..2825, 2891..3046, 2919..3053, 2920..3054, 3160..3297, 3161..3301, 3293..3349, 3304..3366		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o5.tm	Method	TBLASTX:Maize
Start	972	End	3350
GI	none	Score	119
Exons	972..1058, 973..1056, 1181..1207, 2601..2870, 2606..2854, 2906..3043, 2907..3035, 2913..3053, 2914..3054, 2914..3054, 2915..3055, 3155..3229, 3159..3191, 3160..3294, 3161..3295, 3277..3348, 3278..3349, 3291..3350		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o4.ts	Method	TBLASTX:Soybean
Start	2664	End	3334
GI	none	Score	184
Exons	2664..2849, 2684..2797, 2914..3054, 3158..3301, 3299..3334		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o10.tm	Method	TBLASTX:Maize
Start	5913	End	6170
GI	none	Score	93

Exons 5913..6011, 5916..6017, 6013..6144, 6015..6146, 6015..6170

Seq. No. 8830 Seq. ID OJ991110_03.0120.C4
Gene No. 18859 Strand -
Start 42994 End 43777
Name OJ991110_03.0120.C4.o9.tc Method TBLASTX:Cress
Start 6014 End 6146
GI none Score 187
Exons 6014..6145, 6015..6146

Seq. No. 8830 Seq. ID OJ991110_03.0120.C4
Gene No. 18859 Strand -
Start 42994 End 43777
Name OJ991110_03.0120.C4.o9.tm Method TBLASTX:Maize
Start 8611 End 9844
GI none Score 177
Exons 8611..8757, 8652..8759, 8652..8750, 8678..8758, 9615..9737, 9640..9774, 9641..9775, 9641..9775, 9656..9844

Seq. No. 8830 Seq. ID OJ991110_03.0120.C4
Gene No. 18859 Strand -
Start 42994 End 43777
Name OJ991110_03.0120.C4.o4.tm Method TBLASTX:Maize
Start 11607 End 13023
GI none Score 201
Exons 11607..11798, 11607..11819, 11608..11826, 11608..11826, 11821..11973, 11823..11972, 12040..12225, 12043..12225, 12045..12233, 12892..13023, 12909..13019, 12911..13021

Seq. No. 8830 Seq. ID OJ991110_03.0120.C4
Gene No. 18859 Strand -
Start 42994 End 43777
Name OJ991110_03.0120.C4.o11.ts Method TBLASTX:Soybean
Start 11875 End 12129
GI none Score 112
Exons 11875..11973, 11898..11960, 12043..12129, 12045..12125

Seq. No. 8830 Seq. ID OJ991110_03.0120.C4
Gene No. 18859 Strand -
Start 42994 End 43777
Name OJ991110_03.0120.C4.o7.tc Method TBLASTX:Cress
Start 12070 End 12245
GI none Score 214
Exons 12070..12228, 12081..12233, 12087..12245

Seq. No. 8830 Seq. ID OJ991110_03.0120.C4
Gene No. 18859 Strand -
Start 42994 End 43777
Name OJ991110_03.0120.C4.o2.tw Method TBLASTX:Wheat
Start 12941 End 13514
GI none Score 184
Exons 12941..13072, 12949..13062, 13096..13356, 13137..13364, 13145..13366, 13145..13366, 13436..13513, 13449..13514

Seq. No. 8830 Seq. ID OJ991110_03.0120.C4
Gene No. 18859 Strand -
Start 42994 End 43777

Name	OJ991110_03.0120.C4.o8.ts	Method	TBLASTX:Soybean
Start	12994	End	13555
GI	none	Score	72
Exons	12994..13065, 12995..13066, 13137..13235, 13166..13231, 13235..13264, 13236..13301, 13287..13367, 13293..13352, 13451..13555, 13452..13550		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o8.tm	Method	TBLASTX:Maize
Start	13025	End	13344
GI	none	Score	50
Exons	13025..13072, 13027..13059, 13136..13342, 13140..13343, 13171..13344		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o6.tc	Method	TBLASTX:Cress
Start	13584	End	14589
GI	none	Score	264
Exons	13584..13799, 13586..13801, 14481..14588, 14482..14589		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o9.ts	Method	TBLASTX:Soybean
Start	13613	End	14860
GI	none	Score	243
Exons	13613..13801, 13614..13799, 13616..13801, 13692..13805, 14481..14543, 14481..14561, 14482..14589, 14612..14725, 14753..14860		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o7.tm	Method	TBLASTX:Maize
Start	13696	End	14902
GI	none	Score	153
Exons	13696..13800, 13697..13801, 13698..13799, 13698..13802, 13699..13800, 14481..14576, 14481..14579, 14482..14583, 14662..14892, 14663..14893, 14693..14902		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o3.ts	Method	TBLASTX:Soybean
Start	29345	End	32061
GI	none	Score	66
Exons	29345..29389, 29447..29647, 29452..29631, 30779..31189, 30781..31191, 30783..30860, 30817..31188, 30851..31201, 30852..31250, 31306..31593, 31328..31594, 31332..31595, 31763..31870, 31768..31854, 31769..31858, 31947..32054, 31954..32061		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4

Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o1.tc	Method	TBLASTX:Cress
Start	29348	End	32049
GI	none	Score	69
Exons	29348..29392, 29447..29656, 29449..29616, 30781..31188, 30782..31189, 30817..31188, 31328..31594, 31331..31594, 31332..31595, 31763..31870, 31768..31851, 31941..32048, 31954..32049		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o6.tw	Method	TBLASTX:Wheat
Start	29348	End	29566
GI	none	Score	277
Exons	29348..29566, 29443..29565, 29492..29566		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o3.tm	Method	TBLASTX:Maize
Start	29438	End	32396
GI	none	Score	140
Exons	29438..29533, 29443..29538, 29492..29725, 29539..29724, 30780..31187, 30782..31189, 30817..31191, 30852..31250, 31306..31593, 31328..31594, 31332..31595, 31763..31870, 31768..31854, 31925..32074, 31940..32116, 31941..32096, 31951..32133, 31954..32133, 32148..32186, 32250..32297, 32337..32396		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o5.tw	Method	TBLASTX:Wheat
Start	31766	End	32097
GI	none	Score	137
Exons	31766..31870, 31768..31854, 31769..31858, 31940..32095, 31954..32097		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o2.tm	Method	TBLASTX:Maize
Start	33348	End	36946
GI	none	Score	131
Exons	33348..33458, 33349..33465, 33357..33461, 33451..33630, 33467..33616, 33526..33624, 33534..33626, 33649..34134, 33656..33685, 33656..34132, 33660..33689, 33720..34133, 34125..34373, 34132..34380, 34133..34378, 36382..36531, 36758..36946		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o4.tw	Method	TBLASTX:Wheat
Start	33357	End	33681

GI	none	Score	118
Exons	33357..33458, 33360..33458, 33361..33465, 33451..33600, 33467..33601, 33479..33601, 33528..33608, 33529..33609, 33586..33621, 33590..33616, 33616..33681, 33630..33680		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o8.tc	Method	TBLASTX:Cress
Start	33475	End	33627
GI	none	Score	109
Exons	33475..33627, 33476..33616		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o1.ts	Method	TBLASTX:Soybean
Start	33484	End	38492
GI	none	Score	102
Exons	33484..33627, 33515..33616, 33652..34116, 33656..34132, 33821..34117, 34133..34378, 34135..34596, 34144..34596, 34454..34597, 34455..34598, 36382..36531, 36752..36931, 38367..38492		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o1.tw	Method	TBLASTX:Wheat
Start	33938	End	36946
GI	none	Score	221
Exons	33938..34126, 33940..34131, 33949..34134, 34132..34209, 34135..34212, 34136..34213, 34142..34210, 34211..34360, 34213..34359, 36863..36946		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o4.tc	Method	TBLASTX:Cress
Start	34048	End	36931
GI	none	Score	154
Exons	34048..34116, 34129..34479, 34133..34480, 34135..34479, 36752..36931		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o3.tw	Method	TBLASTX:Wheat
Start	34363	End	38600
GI	none	Score	124
Exons	34363..34686, 34472..34678, 38298..38600		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o6.tm	Method	TBLASTX:Maize
Start	34384	End	38882
GI	none	Score	139

Exons 34384..35097, 34450..34944, 34463..34966, 38298..38882, 38445..38834, 38689..38868

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o3.tc	Method	TBLASTX:Cress
Start	34564	End	39194
GI	none	Score	142

Exons 34564..35106, 34571..34858, 35116..35274, 38475..38915, 38587..38640, 38689..38841, 38895..39194

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o2.ts	Method	TBLASTX:Soybean
Start	34600	End	38909
GI	none	Score	104

Exons 34600..34680, 34601..34681, 34672..35172, 34708..35175, 34709..35173, 38508..38588, 38619..38909

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o1.tm	Method	TBLASTX:Maize
Start	35102	End	39750
GI	none	Score	1017

Exons 35102..35935, 35104..35937, 35114..35941, 39045..39245, 39280..39480, 39526..39567, 39616..39750

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o5.ts	Method	TBLASTX:Soybean
Start	35188	End	39474
GI	none	Score	113

Exons 35188..35568, 35191..35496, 35192..35563, 39126..39254, 39280..39474

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o5.tc	Method	TBLASTX:Cress
Start	35275	End	39474
GI	none	Score	172

Exons 35275..35562, 35275..35562, 35276..35563, 39280..39474

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o6.ts	Method	TBLASTX:Soybean
Start	35599	End	39795
GI	none	Score	54

Exons 35599..35664, 35605..35655, 35686..35811, 35693..35806, 35818..36027, 35923..36027, 39526..39567, 39616..39795

Seq. No. 8830 Seq. ID OJ991110_03.0120.C4

Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o7.ts	Method	TBLASTX:Soybean
Start	36127	End	36380
GI	none	Score	214
Exons	36127..36378, 36128..36379, 36198..36380		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o10.ts	Method	TBLASTX:Soybean
Start	40066	End	40323
GI	none	Score	74
Exons	40066..40137, 40066..40167, 40159..40323, 40159..40323		

Seq. No.	8830	Seq. ID	OJ991110_03.0120.C4
Gene No.	18859	Strand	-
Start	42994	End	43777
Name	OJ991110_03.0120.C4.o6.gs	Method	GENSCAN
Start	42994	End	43777
GI	none	Score	.75
Exons	42994..43152, 43438..43777		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18860	Strand	+
Start	1	End	647
Name	OJ991110_03.0120.C5.o1.np	Method	AAT/NAP
Start	1	End	351
GI	6907106	Score	309
Exons	1..351		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18860	Strand	+
Start	1	End	647
Name	OJ991110_03.0120.C5.o1.gs	Method	GENSCAN
Start	134	End	647
GI	none	Score	.44
Exons	134..339, 584..647		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18861	Strand	-
Start	1053	End	2210
Name	OJ991110_03.0120.C5.o2.tm	Method	TBLASTX:Maize
Start	12	End	252
GI	none	Score	135
Exons	12..116, 13..123, 16..186, 26..193, 68..115, 119..172, 121..189, 139..186, 143..232, 202..252		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18861	Strand	-
Start	1053	End	2210
Name	OJ991110_03.0120.C5.o2.gs	Method	GENSCAN
Start	1053	End	1646
GI	none	Score	.98
Exons	1053..1205, 1292..1372, 1489..1646		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18861	Strand	-
Start	1053	End	2210
Name	OJ991110_03.0120.C5.o2.np	Method	AAT/NAP
Start	1074	End	2210
GI	6498422	Score	376
Exons	1074..1205, 1292..1372, 1489..1649, 2141..2210		
GI Descrip.	(AP000815) ESTs AU030013(E50493),AU081341(E50493) correspond to a region of the predicted gene.; Similar to O.sativa gene encoding calmodulin. (Z12828) [Oryza sativa]		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18861	Strand	-
Start	1053	End	2210
Name	OJ991110_03.0120.C5.o1.tw	Method	TBLASTX:Wheat
Start	1082	End	1647
GI	none	Score	54
Exons	1082..1168, 1083..1217, 1083..1208, 1084..1224, 1289..1375, 1289..1354, 1294..1326, 1487..1579, 1489..1647, 1489..1647, 1495..1647		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18861	Strand	-
Start	1053	End	2210
Name	OJ991110_03.0120.C5.o1.tc	Method	TBLASTX:Cress
Start	1083	End	1647
GI	none	Score	66
Exons	1083..1217, 1083..1208, 1090..1224, 1289..1375, 1289..1366, 1303..1356, 1489..1647, 1492..1647, 1495..1647		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18861	Strand	-
Start	1053	End	2210
Name	OJ991110_03.0120.C5.o1.ts	Method	TBLASTX:Soybean
Start	1083	End	1651
GI	none	Score	82
Exons	1083..1217, 1083..1208, 1084..1218, 1289..1375, 1289..1354, 1294..1377, 1487..1651, 1489..1647, 1495..1647, 1516..1641		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18861	Strand	-
Start	1053	End	2210
Name	OJ991110_03.0120.C5.o1.tm	Method	TBLASTX:Maize
Start	1083	End	1651
GI	none	Score	72
Exons	1083..1217, 1083..1217, 1083..1208, 1083..1208, 1084..1224, 1084..1224, 1289..1375, 1289..1375, 1289..1354, 1289..1354, 1487..1651, 1487..1579, 1487..1651, 1489..1647, 1489..1647, 1495..1647, 1495..1647		

Seq. No.	8831	Seq. ID	OJ991110_03.0120.C5
Gene No.	18861	Strand	-
Start	1053	End	2210
Name	OJ991110_03.0120.C5.o1.gp	Method	AAT/GAP
Start	1125	End	1647
GI	6452_1.R1084	Score	570

Exons	1125..1205, 1292..1372, 1489..1647		
GI Descrip.	'115525/sp|P04353|CALM_SPIOL 8.0e-47 CALMODULIN >gi_71685_pir__MCSP calmodulin - spinach'		
Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18862	Strand	+
Start	18404	End	19174
Name	OJ991110_03.0120.C6.o5.gs	Method	GENSCAN
Start	18404	End	19174
GI	none	Score	.88
Exons	18404..18462, 19048..19174		
Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18863	Strand	-
Start	152	End	3147
Name	OJ991110_03.0120.C6.o1.gs	Method	GENSCAN
Start	152	End	3145
GI	none	Score	.42
Exons	152..325, 534..570, 1091..1383, 3029..3145		
Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18863	Strand	-
Start	152	End	3147
Name	OJ991110_03.0120.C6.o1.gp	Method	AAT/GAP
Start	872	End	3147
GI	16996_1.R1084	Score	1181
Exons	872..1383, 3029..3147		
GI Descrip.	'2407800/emb|CAA73155| 3.0e-53 (Y12575) histone H2A.F/Z [Arabidopsis thaliana]'		
Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18863	Strand	-
Start	152	End	3147
Name	OJ991110_03.0120.C6.o1.np	Method	AAT/NAP
Start	1090	End	3145
GI	6319146	Score	548
Exons	1090..1383, 3029..3145		
GI Descrip.	(AF193345) H2A protein [Oryza sativa]		
Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18864	Strand	-
Start	3165	End	3360
Name	OJ991110_03.0120.C6.o2.gp	Method	AAT/GAP
Start	3165	End	3360
GI	none	Score	372
Exons	3165..3360		
Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18865	Strand	-
Start	5240	End	5972
Name	OJ991110_03.0120.C6.o2.gs	Method	GENSCAN
Start	5240	End	5972
GI	none	Score	.6
Exons	5240..5253, 5969..5972		
Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18866	Strand	-

Start	7252	End	10698
Name	OJ991110_03.0120.C6.o3.gs	Method	GENSCAN
Start	7252	End	10698
GI	none	Score	.64
Exons	7252..7395, 8188..8255, 9068..9128, 9459..9557, 10382..10622, 10688..10698		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18867	Strand	-
Start	12853	End	15707
Name	OJ991110_03.0120.C6.o2.np	Method	AAT/NAP
Start	12853	End	15707
GI	6175175	Score	1305
Exons	12853..14658, 15662..15707		
GI Descrip.	(AC011437) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18867	Strand	-
Start	12853	End	15707
Name	OJ991110_03.0120.C6.o3.gp	Method	AAT/GAP
Start	13411	End	13871
GI	uC-osrocyp011d08b1	Score	915
Exons	13411..13871		
GI Descrip.	'4544450/gb|AAD22358.1|AC006592_15 1.0e-22 (AC006592) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o1.tm	Method	TBLASTX:Maize
Start	934	End	3119
GI	none	Score	56
Exons	934..984, 941..985, 1036..1386, 1043..1384, 1054..1401, 3029..3091, 3030..3119		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o1.tc	Method	TBLASTX:Cress
Start	1080	End	3085
GI	none	Score	86
Exons	1080..1187, 1087..1386, 1088..1387, 1088..1387, 1096..1404, 1236..1406, 3029..3085		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o1.ts	Method	TBLASTX:Soybean
Start	1085	End	3091
GI	none	Score	370
Exons	1085..1405, 1087..1386, 1088..1387, 3029..3091		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o1.tw	Method	TBLASTX:Wheat
Start	1085	End	3070

GI	none	Score	387
Exons	1085..1423, 1086..1271, 1087..1386, 3029..3070		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o3.tc	Method	TBLASTX:Cress
Start	12770	End	13177
GI	none	Score	45
Exons	12770..12961, 12860..13177, 13059..13163		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o2.tm	Method	TBLASTX:Maize
Start	12860	End	14227
GI	none	Score	112
Exons	12860..13633, 13200..13457, 13209..13274, 13268..13594, 13269..13610, 13301..13729, 13484..13768, 13538..13765, 13559..13765, 13562..13705, 13574..13810, 13700..13774, 13706..13867, 13733..13879, 13742..13879, 13883..14227, 13895..14089, 13910..13984, 13950..14210		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o2.tw	Method	TBLASTX:Wheat
Start	13001	End	13870
GI	none	Score	130
Exons	13001..13150, 13152..13460, 13154..13624, 13187..13333, 13733..13870		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o2.ts	Method	TBLASTX:Soybean
Start	13058	End	13711
GI	none	Score	120
Exons	13058..13390, 13058..13387, 13484..13711		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o2.tc	Method	TBLASTX:Cress
Start	13178	End	13870
GI	none	Score	64
Exons	13178..13285, 13202..13417, 13238..13414, 13284..13478, 13286..13870, 13301..13582		

Seq. No.	8832	Seq. ID	OJ991110_03.0120.C6
Gene No.	18868	Strand	-
Start	20041	End	21775
Name	OJ991110_03.0120.C6.o6.gs	Method	GENSCAN
Start	20041	End	21775
GI	none	Score	.55
Exons	20041..20323, 21708..21775		

Seq. No.	8833	Seq. ID	OJ991210_09.0124.C1
Gene No.	18869	Strand	+
Start	28	End	243
Name	OJ991210_09.0124.C1.o1.gs	Method	GENSCAN
Start	28	End	243
GI	none	Score	.8
Exons	28..243		

Seq. No.	8833	Seq. ID	OJ991210_09.0124.C1
Gene No.	18870	Strand	+
Start	611	End	976
Name	OJ991210_09.0124.C1.o2.gs	Method	GENSCAN
Start	611	End	976
GI	none	Score	.51
Exons	611..976		

Seq. No.	8834	Seq. ID	OJ991210_09.0124.C2
Gene No.	18871	Strand	+
Start	63	End	1048
Name	OJ991210_09.0124.C2.o1.gs	Method	GENSCAN
Start	63	End	1048
GI	none	Score	.61
Exons	63..131, 450..632, 758..1048		

Seq. No.	8835	Seq. ID	OJ991210_09.0124.C3
Gene No.	18872	Strand	-
Start	1	End	1479
Name	OJ991210_09.0124.C3.o1.np	Method	AAT/NAP
Start	1	End	1479
GI	4680203	Score	787
Exons	1..804, 1421..1479		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8835	Seq. ID	OJ991210_09.0124.C3
Gene No.	18872	Strand	-
Start	1	End	1479
Name	OJ991210_09.0124.C3.o1.gs	Method	GENSCAN
Start	36	End	804
GI	none	Score	.65
Exons	36..297, 397..804		

Seq. No.	8835	Seq. ID	OJ991210_09.0124.C3
Gene No.	18872	Strand	-
Start	1	End	1479
Name	OJ991210_09.0124.C3.o1.tw	Method	TBLASTX:Wheat
Start	110	End	509
GI	none	Score	230
Exons	110..352, 112..354, 113..355, 363..509, 364..447		

Seq. No.	8835	Seq. ID	OJ991210_09.0124.C3
Gene No.	18872	Strand	-
Start	1	End	1479
Name	OJ991210_09.0124.C3.o1.ts	Method	TBLASTX:Soybean
Start	112	End	333
GI	none	Score	104
Exons	112..333, 119..292		

Seq. No.	8836	Seq. ID	OJ991210_09.0124.C4
Gene No.	18873	Strand	+
Start	866	End	6270
Name	OJ991210_09.0124.C4.o1.gs	Method	GENSCAN
Start	866	End	6267
GI	none	Score	.61
Exons	866..1149, 1852..1925, 2516..2917, 4927..6267		

Seq. No.	8836	Seq. ID	OJ991210_09.0124.C4
Gene No.	18873	Strand	+
Start	866	End	6270
Name	OJ991210_09.0124.C4.o1.np	Method	AAT/NAP
Start	5105	End	6270
GI	2792210	Score	685
Exons	5105..6270		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	8836	Seq. ID	OJ991210_09.0124.C4
Gene No.	18873	Strand	+
Start	866	End	6270
Name	OJ991210_09.0124.C4.o1.tm	Method	TBLASTX:Maize
Start	5586	End	6042
GI	none	Score	46
Exons	5586..5648, 5587..5658, 5671..6042, 5736..5927, 5782..6003, 5967..6041		

Seq. No.	8836	Seq. ID	OJ991210_09.0124.C4
Gene No.	18873	Strand	+
Start	866	End	6270
Name	OJ991210_09.0124.C4.o1.ts	Method	TBLASTX:Soybean
Start	5764	End	6252
GI	none	Score	227
Exons	5764..6042, 5766..6035, 6055..6120, 6139..6252		

Seq. No.	8837	Seq. ID	OJ991210_09.0124.C5
Gene No.	18874	Strand	+
Start	501	End	851
Name	OJ991210_09.0124.C5.o1.tm	Method	TBLASTX:Maize
Start	426	End	720
GI	none	Score	54
Exons	426..719, 472..585, 613..720		

Seq. No.	8837	Seq. ID	OJ991210_09.0124.C5
Gene No.	18874	Strand	+
Start	501	End	851
Name	OJ991210_09.0124.C5.o1.gs	Method	GENSCAN
Start	501	End	851
GI	none	Score	.83
Exons	501..851		

Seq. No.	8837	Seq. ID	OJ991210_09.0124.C5
Gene No.	18875	Strand	
Start	798	End	1159
Name	OJ991210_09.0124.C5.o1.tw	Method	TBLASTX:Wheat
Start	798	End	1159
GI	none	Score	55
Exons	798..953, 798..935, 926..1159, 933..1058		

Seq. No.	8838	Seq. ID	OJ991210_09.0124.C6
Gene No.	18876	Strand	
Start	1084	End	1427
Name	OJ991210_09.0124.C6.o1.tm	Method	TBLASTX:Maize
Start	1084	End	1427
GI	none	Score	105
Exons	1084..1257, 1092..1223, 1119..1403, 1237..1278, 1278..1427		

Seq. No.	8839	Seq. ID	OJ991210_09.0124.C8
Gene No.	18877	Strand	+
Start	258	End	369
Name	OJ991210_09.0124.C8.o1.gs	Method	GENSCAN
Start	258	End	369
GI	none	Score	.42
Exons	258..369		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18878	Strand	+
Start	159	End	3069
Name	OJ991210_09.0124.C9.o1.gs	Method	GENSCAN
Start	159	End	1301
GI	none	Score	.5
Exons	159..586, 614..781, 894..1011, 1084..1301		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18878	Strand	+
Start	159	End	3069
Name	OJ991210_09.0124.C9.o1.np	Method	AAT/NAP
Start	1017	End	3069
GI	6691191	Score	1379
Exons	1017..2118, 2828..3069		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18878	Strand	+
Start	159	End	3069
Name	OJ991210_09.0124.C9.o1.gp	Method	AAT/GAP
Start	2117	End	2397
GI	31877_1.R1084	Score	213
Exons	2117..2194, 2331..2397		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18879	Strand	-
Start	1831	End	2392
Name	OJ991210_09.0124.C9.o1.ts	Method	TBLASTX:Soybean
Start	1200	End	1624
GI	none	Score	134
Exons	1200..1370, 1202..1369, 1419..1535, 1529..1624		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18879	Strand	-
Start	1831	End	2392
Name	OJ991210_09.0124.C9.o3.tw	Method	TBLASTX:Wheat
Start	1200	End	1603

GI	none	Score	130
Exons	1200..1370, 1202..1369, 1296..1532, 1297..1476, 1419..1535, 1529..1603		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18879	Strand	-
Start	1831	End	2392
Name	OJ991210_09.0124.C9.o1.tw	Method	TBLASTX:Wheat
Start	1686	End	2103
GI	none	Score	539
Exons	1686..1724, 1687..2103, 1687..2079, 1788..2093		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18879	Strand	-
Start	1831	End	2392
Name	OJ991210_09.0124.C9.o2.ts	Method	TBLASTX:Soybean
Start	1825	End	2081
GI	none	Score	65
Exons	1825..1884, 1863..2081, 1870..2079		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18879	Strand	-
Start	1831	End	2392
Name	OJ991210_09.0124.C9.o2.gs	Method	GENSCAN
Start	1831	End	2392
GI	none	Score	.8
Exons	1831..2139, 2258..2392		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18880	Strand	
Start	2821	End	3067
Name	OJ991210_09.0124.C9.o3.ts	Method	TBLASTX:Soybean
Start	2821	End	3040
GI	none	Score	186
Exons	2821..2955, 2822..3040		

Seq. No.	8840	Seq. ID	OJ991210_09.0124.C9
Gene No.	18880	Strand	
Start	2821	End	3067
Name	OJ991210_09.0124.C9.o2.tw	Method	TBLASTX:Wheat
Start	2822	End	3067
GI	none	Score	292
Exons	2822..3067, 2842..3066		

Seq. No.	8841	Seq. ID	OJ991210_09.0124.C10
Gene No.	18881	Strand	+
Start	1	End	1103
Name	OJ991210_09.0124.C10.o1.np	Method	AAT/NAP
Start	1	End	1103
GI	6691191	Score	935
Exons	1..1103		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	8841	Seq. ID	OJ991210_09.0124.C10
Gene No.	18881	Strand	+
Start	1	End	1103
Name	OJ991210_09.0124.C10.o1.tc	Method	TBLASTX:Cress

Start	3	End	179
GI	none	Score	180
Exons	3..179, 29..178		

Seq. No.	8841	Seq. ID	OJ991210_09.0124.C10
Gene No.	18881	Strand	+
Start	1	End	1103
Name	OJ991210_09.0124.C10.o3.tw	Method	TBLASTX:Wheat
Start	3	End	200
GI	none	Score	177
Exons	3..200		

Seq. No.	8841	Seq. ID	OJ991210_09.0124.C10
Gene No.	18881	Strand	+
Start	1	End	1103
Name	OJ991210_09.0124.C10.o2.ts	Method	TBLASTX:Soybean
Start	200	End	522
GI	none	Score	77
Exons	200..241, 201..242, 239..322,	240..389, 327..518, 364..522	

Seq. No.	8841	Seq. ID	OJ991210_09.0124.C10
Gene No.	18881	Strand	+
Start	1	End	1103
Name	OJ991210_09.0124.C10.o2.tw	Method	TBLASTX:Wheat
Start	201	End	501
GI	none	Score	124
Exons	201..329, 206..328, 333..422,	349..501	

Seq. No.	8841	Seq. ID	OJ991210_09.0124.C10
Gene No.	18881	Strand	+
Start	1	End	1103
Name	OJ991210_09.0124.C10.o1.tw	Method	TBLASTX:Wheat
Start	503	End	917
GI	none	Score	45
Exons	503..754, 538..588, 600..917,	600..887, 815..916	

Seq. No.	8841	Seq. ID	OJ991210_09.0124.C10
Gene No.	18881	Strand	+
Start	1	End	1103
Name	OJ991210_09.0124.C10.o1.ts	Method	TBLASTX:Soybean
Start	528	End	1013
GI	none	Score	79
Exons	528..629, 594..707, 599..724,	600..914, 602..763, 927..1013	

Seq. No.	8842	Seq. ID	OJ991210_09.0124.C11
Gene No.	18882	Strand	+
Start	1	End	475
Name	OJ991210_09.0124.C11.o1.np	Method	AAT/NAP
Start	1	End	475
GI	2522228	Score	321
Exons	1..268, 440..475		
GI Descrip.	(AB007466) reverse transcriptase-like protein [Vicia faba]		

Seq. No.	8842	Seq. ID	OJ991210_09.0124.C11
Gene No.	18882	Strand	+
Start	1	End	475
Name	OJ991210_09.0124.C11.o1.tw	Method	TBLASTX:Wheat

Start	1	End	271
GI	none	Score	349
Exons	1..267, 2..271, 2..268		

Seq. No.	8842	Seq. ID	OJ991210_09.0124.C11
Gene No.	18882	Strand	+
Start	1	End	475
Name	OJ991210_09.0124.C11.o1.ts	Method	TBLASTX:Soybean
Start	32	End	274
GI	none	Score	58
Exons	32..91, 61..270, 77..274		

Seq. No.	8843	Seq. ID	OJ991210_09.0124.C12
Gene No.	18883	Strand	+
Start	1	End	851
Name	OJ991210_09.0124.C12.o1.np	Method	AAT/NAP
Start	1	End	851
GI	6691191	Score	819
Exons	1..851		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	8843	Seq. ID	OJ991210_09.0124.C12
Gene No.	18883	Strand	+
Start	1	End	851
Name	OJ991210_09.0124.C12.o1.tc	Method	TBLASTX:Cress
Start	1	End	234
GI	none	Score	207
Exons	1..234, 37..177		

Seq. No.	8843	Seq. ID	OJ991210_09.0124.C12
Gene No.	18883	Strand	+
Start	1	End	851
Name	OJ991210_09.0124.C12.o2.tw	Method	TBLASTX:Wheat
Start	10	End	258
GI	none	Score	216
Exons	10..258		

Seq. No.	8843	Seq. ID	OJ991210_09.0124.C12
Gene No.	18883	Strand	+
Start	1	End	851
Name	OJ991210_09.0124.C12.o1.gs	Method	GENSCAN
Start	49	End	600
GI	none	Score	.98
Exons	49..600		

Seq. No.	8843	Seq. ID	OJ991210_09.0124.C12
Gene No.	18883	Strand	+
Start	1	End	851
Name	OJ991210_09.0124.C12.o1.ts	Method	TBLASTX:Soybean
Start	256	End	609
GI	none	Score	75
Exons	256..297, 258..296, 294..608, 295..609		

Seq. No.	8843	Seq. ID	OJ991210_09.0124.C12
Gene No.	18883	Strand	+
Start	1	End	851
Name	OJ991210_09.0124.C12.o1.tw	Method	TBLASTX:Wheat

Start	261	End	706
GI	none	Score	364
Exons	261..545, 262..699, 262..693, 573..698, 593..706		

Seq. No.	8843	Seq. ID	OJ991210_09.0124.C12
Gene No.	18883	Strand	+
Start	1	End	851
Name	OJ991210_09.0124.C12.o2.ts	Method	TBLASTX:Soybean
Start	621	End	843
GI	none	Score	224
Exons	621..812, 622..843, 646..837		

Seq. No.	8844	Seq. ID	OJ991210_09.0124.C14
Gene No.	18884	Strand	-
Start	116	End	517
Name	OJ991210_09.0124.C14.o1.gs	Method	GENSCAN
Start	116	End	517
GI	none	Score	.86
Exons	116..517		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18885	Strand	+
Start	2415	End	3868
Name	OJ991210_09.0124.C15.o1.gs	Method	GENSCAN
Start	2415	End	3868
GI	none	Score	.75
Exons	2415..2742, 3058..3142, 3248..3868		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200
Name	OJ991210_09.0124.C15.o2.ts	Method	TBLASTX:Soybean
Start	4241	End	4491
GI	none	Score	49
Exons	4241..4282, 4246..4491, 4319..4489		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200
Name	OJ991210_09.0124.C15.o1.np	Method	AAT/NAP
Start	4252	End	6200
GI	4544372	Score	586
Exons	4252..5538, 6168..6200		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200
Name	OJ991210_09.0124.C15.o1.tw	Method	TBLASTX:Wheat
Start	4267	End	4674
GI	none	Score	69
Exons	4267..4674, 4301..4444		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200

Name	OJ991210_09.0124.C15.o2.gs	Method	GENSCAN
Start	4369	End	6087
GI	none	Score	.78
Exons	4369..6087		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200
Name	OJ991210_09.0124.C15.o3.tw	Method	TBLASTX:Wheat
Start	4711	End	5076
GI	none	Score	170
Exons	4711..4752, 4807..5076		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200
Name	OJ991210_09.0124.C15.o3.ts	Method	TBLASTX:Soybean
Start	4834	End	5233
GI	none	Score	67
Exons	4834..5232, 5012..5233		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200
Name	OJ991210_09.0124.C15.o1.tm	Method	TBLASTX:Maize
Start	4855	End	5235
GI	none	Score	80
Exons	4855..5079, 5077..5235		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200
Name	OJ991210_09.0124.C15.o2.tw	Method	TBLASTX:Wheat
Start	5653	End	6051
GI	none	Score	51
Exons	5653..5922, 5843..5911, 5962..6051		

Seq. No.	8845	Seq. ID	OJ991210_09.0124.C15
Gene No.	18886	Strand	-
Start	4369	End	6200
Name	OJ991210_09.0124.C15.o1.ts	Method	TBLASTX:Soybean
Start	5684	End	6096
GI	none	Score	109
Exons	5684..5938, 5686..5937, 5959..6096, 5963..6094		

Seq. No.	8846	Seq. ID	OJ991210_09.0124.C16
Gene No.	18887	Strand	-
Start	1	End	1068
Name	OJ991210_09.0124.C16.o1.np	Method	AAT/NAP
Start	1	End	1068
GI	4544372	Score	633
Exons	1..1068		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8846	Seq. ID	OJ991210_09.0124.C16
Gene No.	18887	Strand	-

Start	1	End	1068
Name	OJ991210_09.0124.C16.o1.ts	Method	TBLASTX:Soybean
Start	2	End	399
GI	none	Score	65
Exons	2..73, 4..117, 121..399, 293..361		

Seq. No.	8846	Seq. ID	OJ991210_09.0124.C16
Gene No.	18887	Strand	-
Start	1	End	1068
Name	OJ991210_09.0124.C16.o2.tw	Method	TBLASTX:Wheat
Start	16	End	414
GI	none	Score	39
Exons	16..117, 20..88, 94..414, 134..334		

Seq. No.	8846	Seq. ID	OJ991210_09.0124.C16
Gene No.	18887	Strand	-
Start	1	End	1068
Name	OJ991210_09.0124.C16.o1.tm	Method	TBLASTX:Maize
Start	88	End	546
GI	none	Score	194
Exons	88..546, 89..397, 241..546		

Seq. No.	8846	Seq. ID	OJ991210_09.0124.C16
Gene No.	18887	Strand	-
Start	1	End	1068
Name	OJ991210_09.0124.C16.o1.tw	Method	TBLASTX:Wheat
Start	415	End	819
GI	none	Score	222
Exons	415..759, 415..768, 458..760, 763..819		

Seq. No.	8846	Seq. ID	OJ991210_09.0124.C16
Gene No.	18887	Strand	-
Start	1	End	1068
Name	OJ991210_09.0124.C16.o2.tm	Method	TBLASTX:Maize
Start	547	End	765
GI	none	Score	221
Exons	547..765, 548..760, 565..765		

Seq. No.	8846	Seq. ID	OJ991210_09.0124.C16
Gene No.	18887	Strand	-
Start	1	End	1068
Name	OJ991210_09.0124.C16.o1.gs	Method	GENSCAN
Start	610	End	966
GI	none	Score	.76
Exons	610..966		

Seq. No.	8846	Seq. ID	OJ991210_09.0124.C16
Gene No.	18887	Strand	-
Start	1	End	1068
Name	OJ991210_09.0124.C16.o2.ts	Method	TBLASTX:Soybean
Start	616	End	981
GI	none	Score	128
Exons	616..750, 757..981		

Seq. No.	8847	Seq. ID	OJ991210_09.0124.C17
Gene No.	18888	Strand	+
Start	1	End	1007

Name	OJ991210_09.0124.C17.o1.np	Method	AAT/NAP
Start	1	End	1007
GI	6815062	Score	793
Exons	1..821, 907..1007		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	8847	Seq. ID	OJ991210_09.0124.C17
Gene No.	18888	Strand	+
Start	1	End	1007
Name	OJ991210_09.0124.C17.o1.tm	Method	TBLASTX:Maize
Start	164	End	668
GI	none	Score	99
Exons	164..289, 165..299, 312..668, 330..584, 359..664		

Seq. No.	8847	Seq. ID	OJ991210_09.0124.C17
Gene No.	18888	Strand	+
Start	1	End	1007
Name	OJ991210_09.0124.C17.o1.gs	Method	GENSCAN
Start	711	End	821
GI	none	Score	.59
Exons	711..821		

Seq. No.	8848	Seq. ID	OJ991210_09.0124.C19
Gene No.	18889	Strand	-
Start	1	End	711
Name	OJ991210_09.0124.C19.o1.np	Method	AAT/NAP
Start	1	End	711
GI	2792210	Score	526
Exons	1..711		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	8848	Seq. ID	OJ991210_09.0124.C19
Gene No.	18889	Strand	-
Start	1	End	711
Name	OJ991210_09.0124.C19.o1.ts	Method	TBLASTX:Soybean
Start	10	End	444
GI	none	Score	74
Exons	10..438, 10..444		

Seq. No.	8848	Seq. ID	OJ991210_09.0124.C19
Gene No.	18889	Strand	-
Start	1	End	711
Name	OJ991210_09.0124.C19.o1.tm	Method	TBLASTX:Maize
Start	16	End	612
GI	none	Score	80
Exons	16..57, 167..463, 175..612		

Seq. No.	8848	Seq. ID	OJ991210_09.0124.C19
Gene No.	18889	Strand	-
Start	1	End	711
Name	OJ991210_09.0124.C19.o1.gs	Method	GENSCAN
Start	22	End	687
GI	none	Score	.72
Exons	22..687		

Seq. No.	8849	Seq. ID	OJ991210_09.0124.C20
Gene No.	18890	Strand	+
Start	1	End	3737
Name	OJ991210_09.0124.C20.o2.np	Method	AAT/NAP
Start	1	End	3737
GI	5295955	Score	252
Exons	1..137, 1230..1329, 1445..1556, 3235..3608, 3687..3737		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	8849	Seq. ID	OJ991210_09.0124.C20
Gene No.	18890	Strand	+
Start	1	End	3737
Name	OJ991210_09.0124.C20.o2.gs	Method	GENSCAN
Start	2667	End	3059
GI	none	Score	.88
Exons	2667..2735, 2916..3059		

Seq. No.	8849	Seq. ID	OJ991210_09.0124.C20
Gene No.	18891	Strand	-
Start	1	End	1609
Name	OJ991210_09.0124.C20.o1.np	Method	AAT/NAP
Start	1	End	246
GI	6721517	Score	223
Exons	1..129, 183..246		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	8849	Seq. ID	OJ991210_09.0124.C20
Gene No.	18891	Strand	-
Start	1	End	1609
Name	OJ991210_09.0124.C20.o1.gs	Method	GENSCAN
Start	46	End	1609
GI	none	Score	.77
Exons	46..246, 404..440, 1287..1323, 1546..1609		

Seq. No.	8849	Seq. ID	OJ991210_09.0124.C20
Gene No.	18892	Strand	-
Start	3395	End	3609
Name	OJ991210_09.0124.C20.o3.gs	Method	GENSCAN
Start	3395	End	3609
GI	none	Score	.81
Exons	3395..3472, 3523..3609		

Seq. No.	8850	Seq. ID	OJ991210_09.0124.C21
Gene No.	18893	Strand	+
Start	1	End	478
Name	OJ991210_09.0124.C21.o1.np	Method	AAT/NAP
Start	1	End	478
GI	5295955	Score	239
Exons	1..478		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	8850	Seq. ID	OJ991210_09.0124.C21
Gene No.	18894	Strand	-
Start	1021	End	2055
Name	OJ991210_09.0124.C21.o1.gs	Method	GENSCAN

Start	1021	End	2055
GI	none	Score	.66
Exons	1021..1139, 1511..1663, 2020..2055		

Seq. No.	8851	Seq. ID	OJ991210_09.0124.C22
Gene No.	18895	Strand	+
Start	1	End	5961
Name	OJ991210_09.0124.C22.o1.np	Method	AAT/NAP
Start	1	End	2530
GI	133416	Score	263
Exons	1..33, 2329..2530		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66970|pir||RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi|11971|emb|CAA33986| (X15901) RNA polymerase beta subunit [Oryza sativa]		

Seq. No.	8851	Seq. ID	OJ991210_09.0124.C22
Gene No.	18895	Strand	+
Start	1	End	5961
Name	OJ991210_09.0124.C22.o1.gs	Method	GENSCAN
Start	1916	End	5961
GI	none	Score	.4
Exons	1916..1977, 2655..2834, 2966..3113, 3186..3384, 4793..4898, 5620..5776, 5893..5961		

Seq. No.	8851	Seq. ID	OJ991210_09.0124.C22
Gene No.	18896	Strand	-
Start	1213	End	1795
Name	OJ991210_09.0124.C22.o1.gp	Method	AAT/GAP
Start	1213	End	1795
GI	31877_1.R1084	Score	1076
Exons	1213..1795		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	8851	Seq. ID	OJ991210_09.0124.C22
Gene No.	18897	Strand	-
Start	4798	End	7019
Name	OJ991210_09.0124.C22.o3.np	Method	AAT/NAP
Start	4798	End	7019
GI	629693	Score	270
Exons	4798..4858, 6098..6832, 6909..7019		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	8851	Seq. ID	OJ991210_09.0124.C22
Gene No.	18898	Strand	-
Start	7734	End	8057
Name	OJ991210_09.0124.C22.o1.ts	Method	TBLASTX:Soybean
Start	2310	End	2495
GI	none	Score	198
Exons	2310..2462, 2330..2458, 2331..2459, 2459..2494, 2460..2495		

Seq. No.	8851	Seq. ID	OJ991210_09.0124.C22
Gene No.	18898	Strand	-
Start	7734	End	8057
Name	OJ991210_09.0124.C22.o2.ts	Method	TBLASTX:Soybean

Start	6515	End	6808
GI	none	Score	193
Exons	6515..6808		

Seq. No.	8851	Seq. ID	OJ991210_09.0124.C22
Gene No.	18898	Strand	-
Start	7734	End	8057
Name	OJ991210_09.0124.C22.o2.gs	Method	GENSCAN
Start	7734	End	8057
GI	none	Score	.4
Exons	7734..8057		

Seq. No.	8852	Seq. ID	OJ991210_09.0124.C23
Gene No.	18899	Strand	+
Start	1	End	1583
Name	OJ991210_09.0124.C23.o1.np	Method	AAT/NAP
Start	1	End	1583
GI	6815109	Score	115
Exons	1..124, 1311..1583		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8853	Seq. ID	OJ991210_09.0124.C24
Gene No.	18900	Strand	-
Start	889	End	993
Name	OJ991210_09.0124.C24.o1.gs	Method	GENSCAN
Start	889	End	993
GI	none	Score	.84
Exons	889..993		

Seq. No.	8854	Seq. ID	OJ991210_09.0124.C25
Gene No.	18901	Strand	+
Start	1	End	277
Name	OJ991210_09.0124.C25.o1.gp	Method	AAT/GAP
Start	1	End	277
GI	61605_3.R1084	Score	425
Exons	1..277		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	8854	Seq. ID	OJ991210_09.0124.C25
Gene No.	18902	Strand	+
Start	1903	End	3214
Name	OJ991210_09.0124.C25.o1.gs	Method	GENSCAN
Start	1903	End	3214
GI	none	Score	.71
Exons	1903..2769, 3208..3214		

Seq. No.	8854	Seq. ID	OJ991210_09.0124.C25
Gene No.	18903	Strand	-
Start	647	End	6656
Name	OJ991210_09.0124.C25.o1.np	Method	AAT/NAP
Start	647	End	6366
GI	6063554	Score	166
Exons	647..716, 757..860, 1501..1528, 2183..2421, 6345..6366		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8854	Seq. ID	OJ991210_09.0124.C25
Gene No.	18903	Strand	-
Start	647	End	6656
Name	OJ991210_09.0124.C25.o2.gs	Method	GENSCAN
Start	4462	End	6656
GI	none	Score	.73
Exons	4462..4565, 4741..4939, 4982..5074, 5167..5314, 5635..5912, 6615..6656		

Seq. No.	8854	Seq. ID	OJ991210_09.0124.C25
Gene No.	18904	Strand	-
Start	9429	End	10162
Name	OJ991210_09.0124.C25.o3.gs	Method	GENSCAN
Start	9429	End	10162
GI	none	Score	.72
Exons	9429..9440, 9872..10162		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18905	Strand	+
Start	983	End	3168
Name	OJ991210_09.0124.C26.o1.gs	Method	GENSCAN
Start	983	End	3168
GI	none	Score	.54
Exons	983..1093, 1403..1536, 2004..2082, 3025..3168		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18906	Strand	+
Start	6896	End	15659
Name	OJ991210_09.0124.C26.o3.np	Method	AAT/NAP
Start	6896	End	11945
GI	4680186	Score	375
Exons	6896..6929, 10851..10906, 11745..11945		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18906	Strand	+
Start	6896	End	15659
Name	OJ991210_09.0124.C26.o4.np	Method	AAT/NAP
Start	11580	End	15647
GI	5852180	Score	403
Exons	11580..11648, 12631..13166, 15543..15647		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18906	Strand	+
Start	6896	End	15659
Name	OJ991210_09.0124.C26.o5.np	Method	AAT/NAP
Start	11595	End	15659
GI	5852180	Score	406
Exons	11595..11648, 12631..13157, 15566..15659		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18907	Strand	-
Start	2717	End	3098
Name	OJ991210_09.0124.C26.o1.gp	Method	AAT/GAP

Start	2717	End	3098
GI	uC-osflcyp033a04b1	Score	643
Exons	2717..3098		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18908	Strand	-
Start	5173	End	10721
Name	OJ991210_09.0124.C26.o1.np	Method	AAT/NAP
Start	5173	End	10721
GI	4680179	Score	5258
Exons	5173..8573, 8607..9585, 10691..10721		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o8.tw	Method	TBLASTX:Wheat
Start	5218	End	5550
GI	none	Score	84
Exons	5218..5451, 5282..5449, 5418..5549, 5452..5550		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o1.tm	Method	TBLASTX:Maize
Start	5398	End	5996
GI	none	Score	101
Exons	5398..5451, 5451..5675, 5451..5837, 5473..5835, 5835..5996, 5842..5988		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o1.tw	Method	TBLASTX:Wheat
Start	5550	End	6176
GI	none	Score	65
Exons	5550..6176, 5553..5675, 5662..6120		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o4.tm	Method	TBLASTX:Maize
Start	6045	End	6337
GI	none	Score	200
Exons	6045..6335, 6049..6336, 6185..6337		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o2.ts	Method	TBLASTX:Soybean
Start	6135	End	6395
GI	none	Score	117
Exons	6135..6338, 6135..6395, 6136..6390		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26

Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o1.tc	Method	TBLASTX:Cress
Start	6159	End	6476
GI	none	Score	82
Exons	6159..6302, 6160..6300, 6303..6476		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o2.tw	Method	TBLASTX:Wheat
Start	6183	End	6741
GI	none	Score	308
Exons	6183..6722, 6184..6741		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o2.tm	Method	TBLASTX:Maize
Start	6741	End	7104
GI	none	Score	167
Exons	6741..7103, 6750..7103, 6754..7104		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o3.tw	Method	TBLASTX:Wheat
Start	6750	End	7175
GI	none	Score	221
Exons	6750..7112, 6750..7175, 6754..7143		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o3.ts	Method	TBLASTX:Soybean
Start	6924	End	7169
GI	none	Score	99
Exons	6924..7169, 6925..7152		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o5.tm	Method	TBLASTX:Maize
Start	7110	End	7457
GI	none	Score	134
Exons	7110..7457, 7111..7323		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o5.tw	Method	TBLASTX:Wheat
Start	7176	End	7478
GI	none	Score	247
Exons	7176..7478, 7192..7467		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-

Start	11497	End	11878
Name	OJ991210_09.0124.C26.o1.ts	Method	TBLASTX:Soybean
Start	7191	End	7586
GI	none	Score	130
Exons	7191..7463, 7191..7550, 7192..7467, 7513..7548, 7517..7549, 7554..7586, 7555..7584		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o3.tm	Method	TBLASTX:Maize
Start	7473	End	7940
GI	none	Score	62
Exons	7473..7940, 7516..7674, 7686..7865		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o4.tw	Method	TBLASTX:Wheat
Start	7527	End	8009
GI	none	Score	206
Exons	7527..8009, 7570..7905		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o7.tw	Method	TBLASTX:Wheat
Start	8178	End	8546
GI	none	Score	65
Exons	8178..8291, 8179..8292, 8337..8546, 8338..8454		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o6.tm	Method	TBLASTX:Maize
Start	8907	End	9212
GI	none	Score	81
Exons	8907..9212, 9106..9198		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o6.tw	Method	TBLASTX:Wheat
Start	9093	End	9453
GI	none	Score	152
Exons	9093..9452, 9103..9453		

Seq. No.	8855	Seq. ID	OJ991210_09.0124.C26
Gene No.	18909	Strand	-
Start	11497	End	11878
Name	OJ991210_09.0124.C26.o2.gp	Method	AAT/GAP
Start	11497	End	11878
GI	uC-osf1cyp033a04b1	Score	659
Exons	11497..11878		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18910	Strand	+
Start	594	End	3328
Name	OJ991210_09.0124.C27.o1.np	Method	AAT/NAP
Start	594	End	3328
GI	2827630	Score	1553
Exons	594..1528, 1601..2818, 3096..3328		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18911	Strand	+
Start	4241	End	10248
Name	OJ991210_09.0124.C27.o2.np	Method	AAT/NAP
Start	4241	End	10248
GI	6063557	Score	337
Exons	4241..4362, 7410..7640, 7889..8022, 10191..10248		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18911	Strand	+
Start	4241	End	10248
Name	OJ991210_09.0124.C27.o1.gp	Method	AAT/GAP
Start	4528	End	4926
GI	2312287	Score	747
Exons	4528..4926		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18911	Strand	+
Start	4241	End	10248
Name	OJ991210_09.0124.C27.o2.gp	Method	AAT/GAP
Start	4901	End	5411
GI	none	Score	982
Exons	4901..5411		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o1.tc	Method	TBLASTX:Cress
Start	689	End	2803
GI	none	Score	111
Exons	689..847, 863..1084, 1598..1798, 1604..1750, 1606..1782, 1928..2419, 1961..2200, 2008..2418, 2441..2500, 2557..2796, 2558..2797, 2591..2803		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o3.tm	Method	TBLASTX:Maize
Start	1370	End	1702
GI	none	Score	84
Exons	1370..1480, 1373..1435, 1451..1522, 1462..1518, 1463..1525, 1586..1630, 1587..1628, 1630..1701, 1631..1702		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o1.ts	Method	TBLASTX:Soybean

Start	1598	End	2471
GI	none	Score	243
Exons	1598..1861, 1606..1842, 1958..2419, 1961..2188, 1981..2415, 2295..2432, 2424..2471		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o1.tm	Method	TBLASTX:Maize
Start	1703	End	2185
GI	none	Score	159
Exons	1703..1861, 1703..1840, 1705..1872, 1957..2181, 1961..2185, 1961..2182		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o2.tm	Method	TBLASTX:Maize
Start	2551	End	2805
GI	none	Score	294
Exons	2551..2805, 2552..2800		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o2.ts	Method	TBLASTX:Soybean
Start	2605	End	3295
GI	none	Score	139
Exons	2605..2739, 2606..2710, 2606..2743, 2680..2811, 2684..2812, 3169..3291, 3173..3295, 3176..3295		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o2.tc	Method	TBLASTX:Cress
Start	3166	End	3314
GI	none	Score	218
Exons	3166..3306, 3167..3313, 3167..3313, 3180..3314		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o2.gs	Method	GENSCAN
Start	5503	End	9667
GI	none	Score	.73
Exons	5503..5576, 6410..6809, 7075..7169, 7226..7309, 7516..7650, 8698..9667		

Seq. No.	8856	Seq. ID	OJ991210_09.0124.C27
Gene No.	18912	Strand	-
Start	5503	End	10248
Name	OJ991210_09.0124.C27.o4.np	Method	AAT/NAP
Start	8778	End	10248
GI	2943742	Score	252
Exons	8778..9435, 9865..10248		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	8857	Seq. ID	OJ991210_09.0124.C28
Gene No.	18913	Strand	-
Start	1	End	4870
Name	OJ991210_09.0124.C28.o1.np	Method	AAT/NAP
Start	1	End	1642
GI	2258317	Score	77
Exons	1..142, 1606..1642		
GI Descrip.	(AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		

Seq. No.	8857	Seq. ID	OJ991210_09.0124.C28
Gene No.	18913	Strand	-
Start	1	End	4870
Name	OJ991210_09.0124.C28.o1.gs	Method	GENSCAN
Start	30	End	4870
GI	none	Score	.89
Exons	30..504, 2412..2730, 4719..4870		

Seq. No.	8857	Seq. ID	OJ991210_09.0124.C28
Gene No.	18913	Strand	-
Start	1	End	4870
Name	OJ991210_09.0124.C28.o2.np	Method	AAT/NAP
Start	762	End	868
GI	2811024	Score	51
Exons	762..868		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4, CHLOROPLAST gi|2145424|emb|CAA72935| (Y12258) ndhD [Hordeum vulgare]		

Seq. No.	8857	Seq. ID	OJ991210_09.0124.C28
Gene No.	18914	Strand	-
Start	5083	End	5652
Name	OJ991210_09.0124.C28.o2.gs	Method	GENSCAN
Start	5083	End	5598
GI	none	Score	.95
Exons	5083..5598		

Seq. No.	8857	Seq. ID	OJ991210_09.0124.C28
Gene No.	18914	Strand	-
Start	5083	End	5652
Name	OJ991210_09.0124.C28.o3.np	Method	AAT/NAP
Start	5119	End	5652
GI	4680203	Score	511
Exons	5119..5652		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8857	Seq. ID	OJ991210_09.0124.C28
Gene No.	18914	Strand	-
Start	5083	End	5652
Name	OJ991210_09.0124.C28.o1.tw	Method	TBLASTX:Wheat
Start	5182	End	5571
GI	none	Score	212
Exons	5182..5556, 5182..5571, 5414..5566		

Seq. No.	8858	Seq. ID	OJ991210_09.0124.C29
Gene No.	18915	Strand	+
Start	191	End	243
Name	OJ991210_09.0124.C29.o1.gs	Method	GENSCAN

Start	191	End	243
GI	none	Score	.49
Exons	191..243		

Seq. No.	8859	Seq. ID	OJ991210_09.0124.C30
Gene No.	18916	Strand	-
Start	411	End	588
Name	OJ991210_09.0124.C30.o1.gs	Method	GENSCAN
Start	411	End	588
GI	none	Score	.88
Exons	411..588		

Seq. No.	8860	Seq. ID	OJ991210_09.0124.C31
Gene No.	18917	Strand	+
Start	5234	End	9981
Name	OJ991210_09.0124.C31.o2.gs	Method	GENSCAN
Start	5234	End	9981
GI	none	Score	.46
Exons	5234..5281, 5593..5707, 6619..6657, 7958..8083, 8729..8871, 9208..9981		

Seq. No.	8860	Seq. ID	OJ991210_09.0124.C31
Gene No.	18918	Strand	+
Start	10264	End	11438
Name	OJ991210_09.0124.C31.o3.gs	Method	GENSCAN
Start	10264	End	11438
GI	none	Score	.89
Exons	10264..10440, 10523..10945, 11020..11079, 11343..11438		

Seq. No.	8860	Seq. ID	OJ991210_09.0124.C31
Gene No.	18919	Strand	-
Start	1	End	2723
Name	OJ991210_09.0124.C31.o1.np	Method	AAT/NAP
Start	1	End	1814
GI	5690095	Score	699
Exons	1..1270, 1412..1814		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	8860	Seq. ID	OJ991210_09.0124.C31
Gene No.	18919	Strand	-
Start	1	End	2723
Name	OJ991210_09.0124.C31.o1.tm	Method	TBLASTX:Maize
Start	5	End	433
GI	none	Score	196
Exons	5..256, 12..257, 284..433		

Seq. No.	8860	Seq. ID	OJ991210_09.0124.C31
Gene No.	18919	Strand	-
Start	1	End	2723
Name	OJ991210_09.0124.C31.o1.gs	Method	GENSCAN
Start	59	End	2723
GI	none	Score	.74
Exons	59..742, 914..1083, 1106..1779, 2381..2494, 2644..2723		

Seq. No.	8861	Seq. ID	OJ991210_09.0124.C32
Gene No.	18920	Strand	-
Start	343	End	1445

Name	OJ991210_09.0124.C32.o2.ts	Method	TBLASTX:Soybean
Start	305	End	538
GI	none	Score	53
Exons	305..373, 337..534, 443..538		

Seq. No.	8861	Seq. ID	OJ991210_09.0124.C32
Gene No.	18920	Strand	-
Start	343	End	1445
Name	OJ991210_09.0124.C32.o1.np	Method	AAT/NAP
Start	343	End	1445
GI	4544372	Score	523
Exons	343..1445		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	8861	Seq. ID	OJ991210_09.0124.C32
Gene No.	18920	Strand	-
Start	343	End	1445
Name	OJ991210_09.0124.C32.o1.gs	Method	GENSCAN
Start	813	End	1298
GI	none	Score	.64
Exons	813..1298		

Seq. No.	8861	Seq. ID	OJ991210_09.0124.C32
Gene No.	18920	Strand	-
Start	343	End	1445
Name	OJ991210_09.0124.C32.o1.ts	Method	TBLASTX:Soybean
Start	903	End	1304
GI	none	Score	98
Exons	903..1304, 988..1197		

Seq. No.	8861	Seq. ID	OJ991210_09.0124.C32
Gene No.	18920	Strand	-
Start	343	End	1445
Name	OJ991210_09.0124.C32.o1.tm	Method	TBLASTX:Maize
Start	924	End	1289
GI	none	Score	83
Exons	924..1148, 1146..1289		

Seq. No.	8861	Seq. ID	OJ991210_09.0124.C32
Gene No.	18920	Strand	-
Start	343	End	1445
Name	OJ991210_09.0124.C32.o1.tw	Method	TBLASTX:Wheat
Start	1071	End	1436
GI	none	Score	149
Exons	1071..1127, 1158..1436		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18921	Strand	+
Start	2812	End	3698
Name	OJ991210_09.0124.C33.o2.np	Method	AAT/NAP
Start	2812	End	3698
GI	5852178	Score	298
Exons	2812..3112, 3144..3231, 3595..3698		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33

Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o1.np	Method	AAT/NAP
Start	1	End	3566
GI	4206306	Score	833
Exons	1..1725, 3529..3566		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o1.ts	Method	TBLASTX:Soybean
Start	133	End	507
GI	none	Score	97
Exons	133..348, 182..349, 356..505, 370..507		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o3.tw	Method	TBLASTX:Wheat
Start	193	End	475
GI	none	Score	62
Exons	193..333, 257..331, 373..474, 374..475		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o2.ts	Method	TBLASTX:Soybean
Start	658	End	1127
GI	none	Score	83
Exons	658..846, 671..802, 847..900, 903..1127, 952..1089, 993..1091		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o2.tw	Method	TBLASTX:Wheat
Start	745	End	1142
GI	none	Score	38
Exons	745..846, 749..817, 912..1142, 931..1125		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o1.tm	Method	TBLASTX:Maize
Start	817	End	1274
GI	none	Score	50
Exons	817..900, 818..901, 900..1274, 931..1125, 993..1274		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o1.tw	Method	TBLASTX:Wheat
Start	1143	End	1547
GI	none	Score	258
Exons	1143..1484, 1143..1496, 1186..1485, 1448..1489, 1491..1547, 1501..1542		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o2.tm	Method	TBLASTX:Maize
Start	1275	End	1493
GI	none	Score	171
Exons	1275..1493, 1276..1485, 1293..1493		

Seq. No.	8862	Seq. ID	OJ991210_09.0124.C33
Gene No.	18922	Strand	-
Start	1	End	3566
Name	OJ991210_09.0124.C33.o3.ts	Method	TBLASTX:Soybean
Start	1344	End	1698
GI	none	Score	69
Exons	1344..1478, 1404..1487, 1491..1697, 1519..1698		

Seq. No.	8863	Seq. ID	OJ991210_09.0124.C34
Gene No.	18923	Strand	-
Start	1	End	1120
Name	OJ991210_09.0124.C34.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	5922631	Score	71
Exons	1..55, 823..1120		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	8863	Seq. ID	OJ991210_09.0124.C34
Gene No.	18923	Strand	-
Start	1	End	1120
Name	OJ991210_09.0124.C34.o1.gs	Method	GENSCAN
Start	229	End	957
GI	none	Score	.88
Exons	229..385, 611..748, 817..957		

Seq. No.	8864	Seq. ID	OJ991210_09.0124.C35
Gene No.	18924	Strand	-
Start	27	End	643
Name	OJ991210_09.0124.C35.o1.gs	Method	GENSCAN
Start	27	End	643
GI	none	Score	.71
Exons	27..348, 482..643		

Seq. No.	8865	Seq. ID	OJ991210_09.0124.C36
Gene No.	18925	Strand	+
Start	60	End	4296
Name	OJ991210_09.0124.C36.o1.gs	Method	GENSCAN
Start	60	End	4296
GI	none	Score	.47
Exons	60..230, 441..563, 2703..2856, 3209..3427, 3506..3554, 3813..3962, 4242..4296		

Seq. No.	8865	Seq. ID	OJ991210_09.0124.C36

Gene No.	18926	Strand	+
Start	4655	End	4775
Name	OJ991210_09.0124.C36.o2.gs	Method	GENSCAN
Start	4655	End	4775
GI	none	Score	.46
Exons	4655..4775		

Seq. No.	8866	Seq. ID	OJ991210_09.0124.C37
Gene No.	18927	Strand	-
Start	1	End	770
Name	OJ991210_09.0124.C37.o1.np	Method	AAT/NAP
Start	1	End	770
GI	6815062	Score	640
Exons	1..770		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	8866	Seq. ID	OJ991210_09.0124.C37
Gene No.	18927	Strand	-
Start	1	End	770
Name	OJ991210_09.0124.C37.o1.gs	Method	GENSCAN
Start	271	End	577
GI	none	Score	.86
Exons	271..577		

Seq. No.	8866	Seq. ID	OJ991210_09.0124.C37
Gene No.	18927	Strand	-
Start	1	End	770
Name	OJ991210_09.0124.C37.o1.tm	Method	TBLASTX:Maize
Start	365	End	643
GI	none	Score	75
Exons	365..643, 462..587		

Seq. No.	8867	Seq. ID	OJ991210_04.0128.C1
Gene No.	18928	Strand	-
Start	1	End	785
Name	OJ991210_04.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	785
GI	4680179	Score	576
Exons	1..88, 116..785		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8867	Seq. ID	OJ991210_04.0128.C1
Gene No.	18928	Strand	-
Start	1	End	785
Name	OJ991210_04.0128.C1.o1.gs	Method	GENSCAN
Start	30	End	706
GI	none	Score	.46
Exons	30..706		

Seq. No.	8867	Seq. ID	OJ991210_04.0128.C1
Gene No.	18928	Strand	-
Start	1	End	785
Name	OJ991210_04.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	365	End	718
GI	none	Score	78

Exons	365..715, 521..718		
Seq. No.	8867	Seq. ID	OJ991210_04.0128.C1
Gene No.	18928	Strand	-
Start	1	End	785
Name	OJ991210_04.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	410	End	715
GI	none	Score	89
Exons	410..715, 428..715		
Seq. No.	8868	Seq. ID	OJ991210_04.0128.C4
Gene No.	18929	Strand	+
Start	1	End	218
Name	OJ991210_04.0128.C4.o1.np	Method	AAT/NAP
Start	1	End	215
GI	4680179	Score	306
Exons	1..215		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	8868	Seq. ID	OJ991210_04.0128.C4
Gene No.	18929	Strand	+
Start	1	End	218
Name	OJ991210_04.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	3	End	170
GI	none	Score	186
Exons	3..170		
Seq. No.	8868	Seq. ID	OJ991210_04.0128.C4
Gene No.	18929	Strand	+
Start	1	End	218
Name	OJ991210_04.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	5	End	191
GI	none	Score	182
Exons	5..100, 6..191		
Seq. No.	8868	Seq. ID	OJ991210_04.0128.C4
Gene No.	18929	Strand	+
Start	1	End	218
Name	OJ991210_04.0128.C4.o1.gs	Method	GENSCAN
Start	57	End	218
GI	none	Score	.87
Exons	57..218		
Seq. No.	8869	Seq. ID	OJ991210_04.0128.C6
Gene No.	18930	Strand	-
Start	1	End	684
Name	OJ991210_04.0128.C6.o1.np	Method	AAT/NAP
Start	1	End	684
GI	4680179	Score	1031
Exons	1..684		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	8869	Seq. ID	OJ991210_04.0128.C6
Gene No.	18930	Strand	-
Start	1	End	684
Name	OJ991210_04.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	466

GI	none	Score	90
Exons	2..466, 51..413		

Seq. No.	8869	Seq. ID	OJ991210_04.0128.C6
Gene No.	18930	Strand	-
Start	1	End	684
Name	OJ991210_04.0128.C6.o1.gs	Method	GENSCAN
Start	40	End	643
GI	none	Score	.67
Exons	40..643		

Seq. No.	8869	Seq. ID	OJ991210_04.0128.C6
Gene No.	18930	Strand	-
Start	1	End	684
Name	OJ991210_04.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	101	End	502
GI	none	Score	271
Exons	101..463, 102..461, 104..502		

Seq. No.	8869	Seq. ID	OJ991210_04.0128.C6
Gene No.	18930	Strand	-
Start	1	End	684
Name	OJ991210_04.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	215	End	610
GI	none	Score	110
Exons	215..466, 321..458, 411..557, 578..610, 578..610	521..574, 531..572, 577..609,	

Seq. No.	8869	Seq. ID	OJ991210_04.0128.C6
Gene No.	18930	Strand	-
Start	1	End	684
Name	OJ991210_04.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	503	End	673
GI	none	Score	164
Exons	503..673, 504..665		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18931	Strand	+
Start	1	End	5109
Name	OJ991210_04.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	5109
GI	4680179	Score	1922
Exons	1..1702, 5059..5109		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18931	Strand	+
Start	1	End	5109
Name	OJ991210_04.0128.C7.o1.gp	Method	AAT/GAP
Start	2035	End	2524
GI	576771	Score	752
Exons	2035..2289, 2316..2524		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-

Start	3266	End	5811
Name	OJ991210_04.0128.C7.o3.tm	Method	TBLASTX:Maize
Start	3	End	163
GI	none	Score	213
Exons	3..158, 8..163		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811
Name	OJ991210_04.0128.C7.o4.tw	Method	TBLASTX:Wheat
Start	3	End	163
GI	none	Score	233
Exons	3..158, 14..163		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811
Name	OJ991210_04.0128.C7.o2.tw	Method	TBLASTX:Wheat
Start	164	End	722
GI	none	Score	585
Exons	164..718, 204..722		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811
Name	OJ991210_04.0128.C7.o1.ts	Method	TBLASTX:Soybean
Start	530	End	722
GI	none	Score	195
Exons	530..718, 531..722, 543..722		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811
Name	OJ991210_04.0128.C7.o2.tm	Method	TBLASTX:Maize
Start	578	End	879
GI	none	Score	177
Exons	578..721, 579..722, 763..879, 777..875		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811
Name	OJ991210_04.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	763	End	1374
GI	none	Score	678
Exons	763..1374, 804..1262, 841..1374		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811
Name	OJ991210_04.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	931	End	1515
GI	none	Score	206
Exons	931..1089, 933..1085, 1027..1383, 1087..1515, 1314..1514		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811

Name	OJ991210_04.0128.C7.o3.tw	Method	TBLASTX:Wheat
Start	1374	End	1702
GI	none	Score	158
Exons	1374..1520, 1375..1521, 1532..1702		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811
Name	OJ991210_04.0128.C7.o4.tm	Method	TBLASTX:Maize
Start	1535	End	1693
GI	none	Score	181
Exons	1535..1693, 1552..1644		

Seq. No.	8870	Seq. ID	OJ991210_04.0128.C7
Gene No.	18932	Strand	-
Start	3266	End	5811
Name	OJ991210_04.0128.C7.o2.gs	Method	GENSCAN
Start	3266	End	5811
GI	none	Score	.88
Exons	3266..3289, 3672..3755, 4156..4308, 4364..4564, 5677..5811		

Seq. No.	8871	Seq. ID	OJ991210_04.0128.C8
Gene No.	18933	Strand	+
Start	994	End	8148
Name	OJ991210_04.0128.C8.o1.gs	Method	GENSCAN
Start	994	End	6870
GI	none	Score	.4
Exons	994..1042, 1890..1959, 2077..2155, 2450..2833, 2861..2996, 3655..3750, 4013..4142, 4863..5107, 5112..5245, 5301..5421, 6386..6870		

Seq. No.	8871	Seq. ID	OJ991210_04.0128.C8
Gene No.	18933	Strand	+
Start	994	End	8148
Name	OJ991210_04.0128.C8.o1.np	Method	AAT/NAP
Start	2483	End	8148
GI	5257279	Score	1151
Exons	2483..3028, 6571..6806, 8106..8148		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	8871	Seq. ID	OJ991210_04.0128.C8
Gene No.	18933	Strand	+
Start	994	End	8148
Name	OJ991210_04.0128.C8.o2.gp	Method	AAT/GAP
Start	7636	End	7877
GI	101153_1.R1084	Score	367
Exons	7636..7877		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	8872	Seq. ID	OJ991210_04.0128.C9
Gene No.	18934	Strand	+
Start	137	End	4349
Name	OJ991210_04.0128.C9.o1.np	Method	AAT/NAP
Start	137	End	2082
GI	5852179	Score	296

Exons	137..358, 422..650, 2057..2082		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	8872	Seq. ID	OJ991210_04.0128.C9
Gene No.	18934	Strand	+
Start	137	End	4349
Name	OJ991210_04.0128.C9.o2.np	Method	AAT/NAP
Start	1655	End	4349
GI	5257279	Score	3136
Exons	1655..1844, 2469..4349		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	8872	Seq. ID	OJ991210_04.0128.C9
Gene No.	18934	Strand	+
Start	137	End	4349
Name	OJ991210_04.0128.C9.o3.tw	Method	TBLASTX:Wheat
Start	2397	End	2744
GI	none	Score	126
Exons	2397..2576, 2405..2566, 2534..2737, 2601..2744		
Seq. No.	8872	Seq. ID	OJ991210_04.0128.C9
Gene No.	18934	Strand	+
Start	137	End	4349
Name	OJ991210_04.0128.C9.o2.gs	Method	GENSCAN
Start	2403	End	4321
GI	none	Score	.44
Exons	2403..3298, 3544..4321		
Seq. No.	8872	Seq. ID	OJ991210_04.0128.C9
Gene No.	18934	Strand	+
Start	137	End	4349
Name	OJ991210_04.0128.C9.o2.tm	Method	TBLASTX:Maize
Start	3293	End	3616
GI	none	Score	199
Exons	3293..3616, 3340..3441, 3554..3616		
Seq. No.	8872	Seq. ID	OJ991210_04.0128.C9
Gene No.	18934	Strand	+
Start	137	End	4349
Name	OJ991210_04.0128.C9.o2.tw	Method	TBLASTX:Wheat
Start	3298	End	3676
GI	none	Score	134
Exons	3298..3420, 3299..3520, 3386..3442, 3554..3676, 3554..3670, 3565..3675		
Seq. No.	8872	Seq. ID	OJ991210_04.0128.C9
Gene No.	18934	Strand	+
Start	137	End	4349
Name	OJ991210_04.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	3848	End	4330
GI	none	Score	528
Exons	3848..4330, 3859..4155, 3968..4297		
Seq. No.	8872	Seq. ID	OJ991210_04.0128.C9
Gene No.	18934	Strand	+
Start	137	End	4349

Name	OJ991210_04.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	3857	End	4149
GI	none	Score	367
Exons	3857..4147, 3859..4149		

Seq. No.	8873	Seq. ID	OJ991210_04.0128.C10
Gene No.	18935	Strand	+
Start	452	End	629
Name	OJ991210_04.0128.C10.o1.gs	Method	GENSCAN
Start	452	End	629
GI	none	Score	.5
Exons	452..629		

Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18936	Strand	+
Start	1	End	6882
Name	OJ991210_04.0128.C12.o4.np	Method	AAT/NAP
Start	1	End	6882
GI	5852180	Score	628
Exons	1..42, 4521..4570, 5561..5678, 5730..6140, 6847..6882		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18936	Strand	+
Start	1	End	6882
Name	OJ991210_04.0128.C12.o1.np	Method	AAT/NAP
Start	528	End	699
GI	6063554	Score	114
Exons	528..699		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18936	Strand	+
Start	1	End	6882
Name	OJ991210_04.0128.C12.o2.np	Method	AAT/NAP
Start	1870	End	2667
GI	4512231	Score	1335
Exons	1870..2667		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18936	Strand	+
Start	1	End	6882
Name	OJ991210_04.0128.C12.o3.np	Method	AAT/NAP
Start	2896	End	3712
GI	4680179	Score	728
Exons	2896..3712		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18937	Strand	-
Start	4221	End	9756
Name	OJ991210_04.0128.C12.o2.tw	Method	TBLASTX:Wheat
Start	3091	End	9510
GI	none	Score	211

Exons	3091..3288, 3092..3289, 3095..3289, 9311..9499, 9313..9510		
Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18937	Strand	-
Start	4221	End	9756
Name	OJ991210_04.0128.C12.o1.tm	Method	TBLASTX:Maize
Start	3341	End	9273
GI	none	Score	242
Exons	3341..3646, 8974..9273, 9170..9259		
Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18937	Strand	-
Start	4221	End	9756
Name	OJ991210_04.0128.C12.o1.tw	Method	TBLASTX:Wheat
Start	3341	End	9273
GI	none	Score	316
Exons	3341..3691, 8977..9273, 8983..9228, 9092..9259		
Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18937	Strand	-
Start	4221	End	9756
Name	OJ991210_04.0128.C12.o5.np	Method	AAT/NAP
Start	4221	End	9756
GI	4680179	Score	597
Exons	4221..4265, 8497..8730, 8899..9756		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18937	Strand	-
Start	4221	End	9756
Name	OJ991210_04.0128.C12.o1.gp	Method	AAT/GAP
Start	4419	End	4804
GI	uC-osflcyp033a04b1	Score	633
Exons	4419..4804		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18937	Strand	-
Start	4221	End	9756
Name	OJ991210_04.0128.C12.o2.gs	Method	GENSCAN
Start	5206	End	7599
GI	none	Score	.55
Exons	5206..5325, 5583..5873, 5885..6423, 6902..7032, 7484..7599		
Seq. No.	8874	Seq. ID	OJ991210_04.0128.C12
Gene No.	18937	Strand	-
Start	4221	End	9756
Name	OJ991210_04.0128.C12.o3.gs	Method	GENSCAN
Start	8386	End	9735
GI	none	Score	.71
Exons	8386..9735		
Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18938	Strand	+
Start	1	End	4575
Name	OJ991210_04.0128.C13.o1.np	Method	AAT/NAP

Start	1	End	1996
GI	4680179	Score	1849
Exons	1..145, 431..625, 653..1996		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18938	Strand	+
Start	1	End	4575
Name	OJ991210_04.0128.C13.o2.np	Method	AAT/NAP
Start	1	End	4412
GI	5852180	Score	561
Exons	1..50, 2797..2850, 3832..3949, 4001..4412		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18938	Strand	+
Start	1	End	4575
Name	OJ991210_04.0128.C13.o1.gs	Method	GENSCAN
Start	431	End	2044
GI	none	Score	.65
Exons	431..710, 939..2044		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18938	Strand	+
Start	1	End	4575
Name	OJ991210_04.0128.C13.o2.gs	Method	GENSCAN
Start	4180	End	4575
GI	none	Score	.89
Exons	4180..4575		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18939	Strand	+
Start	5898	End	11370
Name	OJ991210_04.0128.C13.o4.gs	Method	GENSCAN
Start	5898	End	11370
GI	none	Score	.44
Exons	5898..5938, 6322..7209, 8063..8195, 9709..11112, 11221..11370		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18940	Strand	-
Start	2699	End	3080
Name	OJ991210_04.0128.C13.o1.gp	Method	AAT/GAP
Start	2699	End	3080
GI	uC-osflcyp033a04b1	Score	699
Exons	2699..3080		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o5.tw	Method	TBLASTX:Wheat
Start	710	End	1063
GI	none	Score	245
Exons	710..1063, 800..988		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13

Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o4.tm	Method	TBLASTX:Maize
Start	1067	End	1264
GI	none	Score	196
Exons	1067..1264, 1105..1212		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o1.tw	Method	TBLASTX:Wheat
Start	1195	End	1678
GI	none	Score	530
Exons	1195..1635, 1196..1678, 1220..1675		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o2.ts	Method	TBLASTX:Soybean
Start	1232	End	1546
GI	none	Score	193
Exons	1232..1546		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o2.tm	Method	TBLASTX:Maize
Start	1265	End	1708
GI	none	Score	368
Exons	1265..1708		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o1.ts	Method	TBLASTX:Soybean
Start	1619	End	1996
GI	none	Score	57
Exons	1619..1651, 1619..1651, 1620..1652, 1655..1708, 1657..1698, 1672..1818, 1754..1984, 1763..1996, 1771..1992		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o3.tm	Method	TBLASTX:Maize
Start	1763	End	1996
GI	none	Score	234
Exons	1763..1996, 1816..1944		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o3.tw	Method	TBLASTX:Wheat
Start	1766	End	1996
GI	none	Score	331
Exons	1766..1996, 1768..1995		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13

Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o3.gs	Method	GENSCAN
Start	5158	End	5811
GI	none	Score	.93
Exons	5158..5811		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o3.np	Method	AAT/NAP
Start	5161	End	11186
GI	4680179	Score	1126
Exons	5161..5965, 11165..11186		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o4.tw	Method	TBLASTX:Wheat
Start	5206	End	5539
GI	none	Score	135
Exons	5206..5538, 5227..5535, 5270..5539		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	5386	End	5964
GI	none	Score	213
Exons	5386..5826, 5402..5827, 5824..5964, 5831..5953		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o2.tw	Method	TBLASTX:Wheat
Start	5539	End	5952
GI	none	Score	61
Exons	5539..5952, 5542..5793, 5651..5902, 5824..5946		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o4.np	Method	AAT/NAP
Start	6644	End	7077
GI	4680185	Score	301
Exons	6644..7077		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8875	Seq. ID	OJ991210_04.0128.C13
Gene No.	18941	Strand	-
Start	5158	End	11186
Name	OJ991210_04.0128.C13.o5.np	Method	AAT/NAP
Start	7918	End	8124
GI	4680186	Score	136
Exons	7918..8124		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8876	Seq. ID	OJ991210_04.0128.C14
Gene No.	18942	Strand	-
Start	63	End	544
Name	OJ991210_04.0128.C14.o1.gs	Method	GENSCAN
Start	63	End	544
GI	none	Score	.72
Exons	63..544		

Seq. No.	8877	Seq. ID	OJ991210_04.0128.C15
Gene No.	18943	Strand	+
Start	1	End	956
Name	OJ991210_04.0128.C15.o1.np	Method	AAT/NAP
Start	1	End	956
GI	5852180	Score	227
Exons	1..43, 653..766, 818..956		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8878	Seq. ID	OJ991210_04.0128.C17
Gene No.	18944	Strand	-
Start	333	End	4808
Name	OJ991210_04.0128.C17.o1.np	Method	AAT/NAP
Start	333	End	4097
GI	4325357	Score	413
Exons	333..481, 1028..1574, 2406..2908, 3988..4097		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	8878	Seq. ID	OJ991210_04.0128.C17
Gene No.	18944	Strand	-
Start	333	End	4808
Name	OJ991210_04.0128.C17.o1.gs	Method	GENSCAN
Start	929	End	2310
GI	none	Score	.78
Exons	929..1450, 1498..1709, 1749..2310		

Seq. No.	8878	Seq. ID	OJ991210_04.0128.C17
Gene No.	18944	Strand	-
Start	333	End	4808
Name	OJ991210_04.0128.C17.o1.tc	Method	TBLASTX:Cress
Start	2347	End	2655
GI	none	Score	188
Exons	2347..2655		

Seq. No.	8878	Seq. ID	OJ991210_04.0128.C17
Gene No.	18944	Strand	-
Start	333	End	4808
Name	OJ991210_04.0128.C17.o1.tw	Method	TBLASTX:Wheat
Start	2374	End	2802
GI	none	Score	98
Exons	2374..2481, 2455..2670, 2686..2802		

Seq. No.	8878	Seq. ID	OJ991210_04.0128.C17
Gene No.	18944	Strand	-
Start	333	End	4808
Name	OJ991210_04.0128.C17.o1.ts	Method	TBLASTX:Soybean

Start	2392	End	2802
GI	none	Score	82
Exons	2392..2670, 2698..2802		

Seq. No.	8878	Seq. ID	OJ991210_04.0128.C17
Gene No.	18944	Strand	-
Start	333	End	4808
Name	OJ991210_04.0128.C17.o2.gs	Method	GENSCAN
Start	2692	End	3108
GI	none	Score	.46
Exons	2692..3108		

Seq. No.	8878	Seq. ID	OJ991210_04.0128.C17
Gene No.	18944	Strand	-
Start	333	End	4808
Name	OJ991210_04.0128.C17.o3.gs	Method	GENSCAN
Start	3954	End	4808
GI	none	Score	.78
Exons	3954..4808		

Seq. No.	8879	Seq. ID	OJ991210_04.0128.C18
Gene No.	18945	Strand	+
Start	405	End	1203
Name	OJ991210_04.0128.C18.o1.gs	Method	GENSCAN
Start	405	End	1003
GI	none	Score	.97
Exons	405..635, 725..1003		

Seq. No.	8879	Seq. ID	OJ991210_04.0128.C18
Gene No.	18945	Strand	+
Start	405	End	1203
Name	OJ991210_04.0128.C18.o1.np	Method	AAT/NAP
Start	405	End	1203
GI	4512231	Score	976
Exons	405..1203		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18946	Strand	+
Start	1	End	942
Name	OJ991210_04.0128.C21.o1.np	Method	AAT/NAP
Start	1	End	942
GI	4680179	Score	1187
Exons	1..942		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18947	Strand	+
Start	1702	End	12814
Name	OJ991210_04.0128.C21.o2.np	Method	AAT/NAP
Start	1702	End	3273
GI	6063554	Score	171
Exons	1702..1885, 1970..2034, 3102..3273		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18947	Strand	+
Start	1702	End	12814
Name	OJ991210_04.0128.C21.o3.np	Method	AAT/NAP
Start	2264	End	12814
GI	6063554	Score	327
Exons	2264..2290, 10832..10896, 10947..11137, 11256..11497, 11967..11994, 12639..12814		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18947	Strand	+
Start	1702	End	12814
Name	OJ991210_04.0128.C21.o2.gs	Method	GENSCAN
Start	4477	End	5829
GI	none	Score	.61
Exons	4477..4904, 5628..5829		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18947	Strand	+
Start	1702	End	12814
Name	OJ991210_04.0128.C21.o1.gp	Method	AAT/GAP
Start	11967	End	12048
GI	61605_1.R1084	Score	103
Exons	11967..12048		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18948	Strand	+
Start	13175	End	13448
Name	OJ991210_04.0128.C21.o3.gp	Method	AAT/GAP
Start	13175	End	13448
GI	61605_3.R1084	Score	442
Exons	13175..13448		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18949	Strand	+
Start	15683	End	16209
Name	OJ991210_04.0128.C21.o4.np	Method	AAT/NAP
Start	15683	End	16209
GI	6498441	Score	363
Exons	15683..15919, 16013..16209		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o1.ts	Method	TBLASTX:Soybean
Start	1	End	249
GI	none	Score	282

Exons	1..249, 21..248		
Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o2.tw	Method	TBLASTX:Wheat
Start	1	End	201
GI	none	Score	303
Exons	1..201, 3..197		
Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o3.tm	Method	TBLASTX:Maize
Start	10	End	165
GI	none	Score	214
Exons	10..159, 13..165, 15..164		
Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o1.tm	Method	TBLASTX:Maize
Start	166	End	483
GI	none	Score	453
Exons	166..483, 177..479		
Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o1.tw	Method	TBLASTX:Wheat
Start	208	End	594
GI	none	Score	500
Exons	208..594, 213..587		
Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o3.tw	Method	TBLASTX:Wheat
Start	610	End	897
GI	none	Score	257
Exons	610..897, 612..845		
Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o2.tm	Method	TBLASTX:Maize
Start	613	End	846
GI	none	Score	235
Exons	613..846, 651..797		
Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o3.gs	Method	GENSCAN
Start	6944	End	14484
GI	none	Score	.49
Exons	6944..7220, 7835..7985, 8055..8499, 8524..8646, 8973..9375,		

9403..9720, 9800..9923, 10163..10248, 10404..10441,
10895..11173, 11203..11566, 13365..13507, 14413..14484

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18950	Strand	-
Start	6944	End	14484
Name	OJ991210_04.0128.C21.o2.gp	Method	AAT/GAP
Start	11459	End	12193
GI	101153_1.R1084	Score	418
Exons	11459..11486, 11950..12193		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	8880	Seq. ID	OJ991210_04.0128.C21
Gene No.	18951	Strand	
Start	15686	End	16148
Name	OJ991210_04.0128.C21.o4.tw	Method	TBLASTX:Wheat
Start	15686	End	16148
GI	none	Score	55
Exons	15686..15796, 15687..15857, 15698..15856, 15858..15923, 15862..16032, 16038..16148		

Seq. No.	8881	Seq. ID	OJ991210_04.0128.C22
Gene No.	18952	Strand	+
Start	447	End	4122
Name	OJ991210_04.0128.C22.o1.gs	Method	GENSCAN
Start	447	End	3709
GI	none	Score	.62
Exons	447..454, 2190..2335, 2710..2864, 2940..3557, 3569..3709		

Seq. No.	8881	Seq. ID	OJ991210_04.0128.C22
Gene No.	18952	Strand	+
Start	447	End	4122
Name	OJ991210_04.0128.C22.o1.np	Method	AAT/NAP
Start	1540	End	4122
GI	4325357	Score	357
Exons	1540..2051, 2844..3397, 3990..4122		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	8881	Seq. ID	OJ991210_04.0128.C22
Gene No.	18952	Strand	+
Start	447	End	4122
Name	OJ991210_04.0128.C22.o1.ts	Method	TBLASTX:Soybean
Start	1591	End	2028
GI	none	Score	65
Exons	1591..1722, 1750..2028		

Seq. No.	8881	Seq. ID	OJ991210_04.0128.C22
Gene No.	18952	Strand	+
Start	447	End	4122
Name	OJ991210_04.0128.C22.o1.tw	Method	TBLASTX:Wheat
Start	1618	End	1965
GI	none	Score	81
Exons	1618..1734, 1750..1965		

Seq. No.	8881	Seq. ID	OJ991210_04.0128.C22
Gene No.	18952	Strand	+
Start	447	End	4122
Name	OJ991210_04.0128.C22.o2.tw	Method	TBLASTX:Wheat
Start	2838	End	3203
GI	none	Score	98
Exons	2838..2993, 3026..3202, 3027..3203		

Seq. No.	8882	Seq. ID	OJ991210_04.0128.C23
Gene No.	18953	Strand	+
Start	108	End	676
Name	OJ991210_04.0128.C23.o1.gp	Method	AAT/GAP
Start	108	End	676
GI	4879016	Score	834
Exons	108..676		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	8882	Seq. ID	OJ991210_04.0128.C23
Gene No.	18954	Strand	+
Start	1883	End	4423
Name	OJ991210_04.0128.C23.o2.gs	Method	GENSCAN
Start	1883	End	4423
GI	none	Score	.43
Exons	1883..2052, 3490..3598, 3703..3802, 4004..4115, 4204..4423		

Seq. No.	8882	Seq. ID	OJ991210_04.0128.C23
Gene No.	18955	Strand	-
Start	1207	End	1974
Name	OJ991210_04.0128.C23.o1.gs	Method	GENSCAN
Start	1207	End	1788
GI	none	Score	.54
Exons	1207..1314, 1455..1625, 1642..1788		

Seq. No.	8882	Seq. ID	OJ991210_04.0128.C23
Gene No.	18955	Strand	-
Start	1207	End	1974
Name	OJ991210_04.0128.C23.o1.np	Method	AAT/NAP
Start	1447	End	1974
GI	6907089	Score	547
Exons	1447..1974		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8882	Seq. ID	OJ991210_04.0128.C23
Gene No.	18956	Strand	-
Start	10342	End	10951
Name	OJ991210_04.0128.C23.o2.np	Method	AAT/NAP
Start	9676	End	10951
GI	6063554	Score	160
Exons	9676..9847, 10514..10559, 10644..10951		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8882	Seq. ID	OJ991210_04.0128.C23
Gene No.	18956	Strand	-

Start	10342	End	10951
Name	OJ991210_04.0128.C23.o3.gs	Method	GENSCAN
Start	10342	End	10820
GI	none	Score	.67
Exons	10342..10563, 10617..10820		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o1.np	Method	AAT/NAP
Start	1	End	1905
GI	4680179	Score	2786
Exons	1..1905		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o4.tw	Method	TBLASTX:Wheat
Start	4	End	241
GI	none	Score	119
Exons	4..240, 26..241		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o1.gs	Method	GENSCAN
Start	73	End	1925
GI	none	Score	.41
Exons	73..1925		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o1.tm	Method	TBLASTX:Maize
Start	103	End	688
GI	none	Score	103
Exons	103..528, 104..295, 124..372, 368..529, 526..687, 533..688		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o1.tw	Method	TBLASTX:Wheat
Start	241	End	867
GI	none	Score	43
Exons	241..867, 242..295, 283..807, 359..811		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o3.tm	Method	TBLASTX:Maize
Start	736	End	1028
GI	none	Score	302
Exons	736..1026, 740..1027, 927..1028		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-

Start	1	End	1925
Name	OJ991210_04.0128.C24.o1.ts	Method	TBLASTX:Soybean
Start	825	End	1086
GI	none	Score	183
Exons	825..1022, 826..1086, 827..1075		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o2.tw	Method	TBLASTX:Wheat
Start	873	End	1413
GI	none	Score	138
Exons	873..1154, 874..1413, 878..1225		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o2.tm	Method	TBLASTX:Maize
Start	1441	End	1794
GI	none	Score	200
Exons	1441..1794, 1448..1789		

Seq. No.	8883	Seq. ID	OJ991210_04.0128.C24
Gene No.	18957	Strand	-
Start	1	End	1925
Name	OJ991210_04.0128.C24.o3.tw	Method	TBLASTX:Wheat
Start	1441	End	1866
GI	none	Score	221
Exons	1441..1791, 1441..1866, 1448..1864		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18958	Strand	+
Start	669	End	1478
Name	OJ991210_04.0128.C25.o1.gs	Method	GENSCAN
Start	669	End	1478
GI	none	Score	.94
Exons	669..830, 975..1478		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18959	Strand	+
Start	1736	End	5476
Name	OJ991210_04.0128.C25.o1.np	Method	AAT/NAP
Start	1730	End	5469
GI	4680179	Score	4219
Exons	1730..2812, 2846..5469		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18959	Strand	+
Start	1736	End	5476
Name	OJ991210_04.0128.C25.o2.gs	Method	GENSCAN
Start	1736	End	5476
GI	none	Score	.58
Exons	1736..3481, 3545..5476		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18960	Strand	+

Start	7636	End	8420
Name	OJ991210_04.0128.C25.o2.gp	Method	AAT/GAP
Start	7532	End	7913
GI	uC-osflcyp033a04b1	Score	655
Exons	7532..7913		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18960	Strand	+
Start	7636	End	8420
Name	OJ991210_04.0128.C25.o4.gs	Method	GENSCAN
Start	7636	End	8420
GI	none	Score	.47
Exons	7636..7700, 8354..8420		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o5.tw	Method	TBLASTX:Wheat
Start	1961	End	2323
GI	none	Score	296
Exons	1961..2323, 1963..2322		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o5.tm	Method	TBLASTX:Maize
Start	2204	End	2509
GI	none	Score	236
Exons	2204..2509, 2218..2334		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o6.tm	Method	TBLASTX:Maize
Start	2837	End	3190
GI	none	Score	188
Exons	2837..3190		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o7.tw	Method	TBLASTX:Wheat
Start	2873	End	3295
GI	none	Score	164
Exons	2873..3082, 2929..3081, 3127..3240, 3128..3295		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o3.tw	Method	TBLASTX:Wheat
Start	3406	End	3892
GI	none	Score	52
Exons	3406..3849, 3410..3460, 3515..3892		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25

Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o4.tm	Method	TBLASTX:Maize
Start	3421	End	3711
GI	none	Score	281
Exons	3421..3711, 3422..3709		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o2.np	Method	AAT/NAP
Start	3712	End	8720
GI	5852180	Score	573
Exons	3712..3791, 5458..5502, 6201..6610, 6662..6778, 7762..7817, 8685..8720		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o2.tm	Method	TBLASTX:Maize
Start	3779	End	4279
GI	none	Score	166
Exons	3779..3958, 3787..3906, 3965..4279, 4105..4158, 4186..4236		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o1.ts	Method	TBLASTX:Soybean
Start	3833	End	4228
GI	none	Score	57
Exons	3833..3865, 3835..3864, 3869..4228, 3871..3906, 3937..4227		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o4.tw	Method	TBLASTX:Wheat
Start	3941	End	4243
GI	none	Score	374
Exons	3941..4243, 3943..4227, 3944..4237		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o2.tw	Method	TBLASTX:Wheat
Start	4244	End	4669
GI	none	Score	598
Exons	4244..4669, 4273..4665		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o3.ts	Method	TBLASTX:Soybean
Start	4250	End	4495
GI	none	Score	211
Exons	4250..4495, 4267..4494		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o1.tm	Method	TBLASTX:Maize
Start	4315	End	4678
GI	none	Score	473
Exons	4315..4665, 4316..4669, 4316..4678		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o1.tw	Method	TBLASTX:Wheat
Start	4700	End	5236
GI	none	Score	643
Exons	4700..5236, 4744..5235		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o1.tc	Method	TBLASTX:Cress
Start	4943	End	5260
GI	none	Score	89
Exons	4943..5116, 5117..5260, 5119..5259		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o2.ts	Method	TBLASTX:Soybean
Start	5024	End	5284
GI	none	Score	292
Exons	5024..5284, 5029..5283, 5081..5284		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o3.tm	Method	TBLASTX:Maize
Start	5082	End	5374
GI	none	Score	89
Exons	5082..5243, 5083..5370, 5084..5374		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o6.tw	Method	TBLASTX:Wheat
Start	5242	End	5470
GI	none	Score	279
Exons	5242..5469, 5243..5470		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25
Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o3.gs	Method	GENSCAN
Start	6144	End	6617
GI	none	Score	.99
Exons	6144..6617		

Seq. No.	8884	Seq. ID	OJ991210_04.0128.C25

Gene No.	18961	Strand	-
Start	3712	End	8720
Name	OJ991210_04.0128.C25.o3.np	Method	AAT/NAP
Start	7465	End	7665
GI	4680186	Score	338
Exons	7465..7665		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8885	Seq. ID	OJ991210_05.0121.C1
Gene No.	18962	Strand	-
Start	577	End	664
Name	OJ991210_05.0121.C1.o1.gs	Method	GENSCAN
Start	577	End	664
GI	none	Score	.51
Exons	577..664		

Seq. No.	8886	Seq. ID	OJ991210_05.0121.C2
Gene No.	18963	Strand	+
Start	1989	End	2758
Name	OJ991210_05.0121.C2.o2.np	Method	AAT/NAP
Start	1989	End	2758
GI	4680199	Score	96
Exons	1989..2401, 2702..2758		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8886	Seq. ID	OJ991210_05.0121.C2
Gene No.	18964	Strand	-
Start	1	End	2724
Name	OJ991210_05.0121.C2.o1.np	Method	AAT/NAP
Start	1	End	2361
GI	6063557	Score	140
Exons	1..199, 2312..2361		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	8886	Seq. ID	OJ991210_05.0121.C2
Gene No.	18964	Strand	-
Start	1	End	2724
Name	OJ991210_05.0121.C2.o1.gs	Method	GENSCAN
Start	52	End	2724
GI	none	Score	.7
Exons	52..138, 2289..2419, 2676..2724		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18965	Strand	+
Start	1	End	632
Name	OJ991210_05.0121.C3.o1.gp	Method	AAT/GAP
Start	1	End	632
GI	2311774	Score	586
Exons	1..176, 479..632		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18966	Strand	+
Start	2726	End	3486
Name	OJ991210_05.0121.C3.o2.gp	Method	AAT/GAP
Start	2726	End	3486
GI	5816562	Score	665
Exons	2726..2751, 3076..3486		

GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18967	Strand	+
Start	4523	End	7425
Name	OJ991210_05.0121.C3.o1.np	Method	AAT/NAP
Start	4523	End	7425
GI	6691716	Score	2226
Exons	4523..5406, 5604..5782, 5859..5949, 6043..6216, 6294..6481, 6556..6655, 6805..6921, 6993..7425		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18967	Strand	+
Start	4523	End	7425
Name	OJ991210_05.0121.C3.o2.gs	Method	GENSCAN
Start	4523	End	6974
GI	none	Score	.65
Exons	4523..4690, 5080..5406, 5445..5719, 5859..6011, 6125..6216, 6294..6481, 6556..6745, 6817..6974		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18968	Strand	-
Start	33	End	1947
Name	OJ991210_05.0121.C3.o1.gs	Method	GENSCAN
Start	33	End	1947
GI	none	Score	.75
Exons	33..162, 1078..1102, 1178..1440, 1478..1628, 1909..1947		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18969	Strand	-
Start	7999	End	9482
Name	OJ991210_05.0121.C3.o2.np	Method	AAT/NAP
Start	7769	End	9482
GI	5902445	Score	2566
Exons	7769..9482		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18969	Strand	-
Start	7999	End	9482
Name	OJ991210_05.0121.C3.o1.tw	Method	TBLASTX:Wheat
Start	7813	End	8391
GI	none	Score	79
Exons	7813..7908, 7900..8391, 8102..8230, 8212..8241, 8282..8371		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18969	Strand	-
Start	7999	End	9482
Name	OJ991210_05.0121.C3.o2.tm	Method	TBLASTX:Maize
Start	7816	End	8079
GI	none	Score	102
Exons	7816..7917, 7817..7918, 7897..8079, 7898..7972		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18969	Strand	-
Start	7999	End	9482
Name	OJ991210_05.0121.C3.o3.gs	Method	GENSCAN
Start	7999	End	9480
GI	none	Score	.43
Exons	7999..8395, 8445..8576, 9248..9480		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18969	Strand	-
Start	7999	End	9482
Name	OJ991210_05.0121.C3.o2.tw	Method	TBLASTX:Wheat
Start	8504	End	8887
GI	none	Score	84
Exons	8504..8644, 8504..8638, 8592..8648, 8649..8798, 8671..8793, 8798..8887		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18969	Strand	-
Start	7999	End	9482
Name	OJ991210_05.0121.C3.o1.tm	Method	TBLASTX:Maize
Start	8573	End	8894
GI	none	Score	107
Exons	8573..8644, 8655..8795, 8662..8796, 8798..8893, 8799..8894		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18969	Strand	-
Start	7999	End	9482
Name	OJ991210_05.0121.C3.o4.tw	Method	TBLASTX:Wheat
Start	8891	End	9185
GI	none	Score	49
Exons	8891..8989, 8925..9017, 9056..9184, 9078..9185		

Seq. No.	8887	Seq. ID	OJ991210_05.0121.C3
Gene No.	18969	Strand	-
Start	7999	End	9482
Name	OJ991210_05.0121.C3.o3.tw	Method	TBLASTX:Wheat
Start	9196	End	9481
GI	none	Score	164
Exons	9196..9480, 9206..9481		

Seq. No.	8888	Seq. ID	OJ991210_05.0121.C4
Gene No.	18970	Strand	-
Start	1	End	1918
Name	OJ991210_05.0121.C4.o1.np	Method	AAT/NAP
Start	1	End	1918
GI	4680183	Score	1992
Exons	1..388, 476..517, 1013..1918		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	8888	Seq. ID	OJ991210_05.0121.C4
Gene No.	18970	Strand	-
Start	1	End	1918
Name	OJ991210_05.0121.C4.o1.tm	Method	TBLASTX:Maize
Start	50	End	406
GI	none	Score	201
Exons	50..406, 60..365		

Seq. No.	8888	Seq. ID	OJ991210_05.0121.C4
Gene No.	18970	Strand	-
Start	1	End	1918
Name	OJ991210_05.0121.C4.o2.tw	Method	TBLASTX:Wheat
Start	80	End	415
GI	none	Score	217
Exons	80..415, 81..413		

Seq. No.	8888	Seq. ID	OJ991210_05.0121.C4
Gene No.	18970	Strand	-
Start	1	End	1918
Name	OJ991210_05.0121.C4.o1.ts	Method	TBLASTX:Soybean
Start	131	End	487
GI	none	Score	129
Exons	131..265, 272..487		

Seq. No.	8888	Seq. ID	OJ991210_05.0121.C4
Gene No.	18970	Strand	-
Start	1	End	1918
Name	OJ991210_05.0121.C4.o1.tw	Method	TBLASTX:Wheat
Start	416	End	1278
GI	none	Score	110
Exons	416..709, 420..581, 756..992, 758..988, 1037..1213, 1204..1278		

Seq. No.	8888	Seq. ID	OJ991210_05.0121.C4
Gene No.	18970	Strand	-
Start	1	End	1918
Name	OJ991210_05.0121.C4.o2.tm	Method	TBLASTX:Maize
Start	728	End	905
GI	none	Score	106
Exons	728..904, 759..905		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18971	Strand	+
Start	39	End	798
Name	OJ991210_05.0121.C5.o1.gp	Method	AAT/GAP
Start	39	End	798
GI	5816562	Score	661
Exons	39..64, 385..798		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18972	Strand	+
Start	9245	End	12434
Name	OJ991210_05.0121.C5.o4.np	Method	AAT/NAP
Start	9245	End	12431
GI	3402672	Score	2110
Exons	9245..9281, 10552..12431		
GI Descrip.	(AC004697) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18972	Strand	+
Start	9245	End	12434
Name	OJ991210_05.0121.C5.o5.gs	Method	GENSCAN
Start	10335	End	12434

GI	none	Score	1
Exons	10335..12434		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18972	Strand	+
Start	9245	End	12434
Name	OJ991210_05.0121.C5.o3.gp	Method	AAT/GAP
Start	11175	End	11732
GI	3762287	Score	1116
Exons	11175..11732		
GI Descrip.	3402672 6.0e-51 (AC004697) putative white protein [Arabidopsis thaliana]		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18973	Strand	-
Start	1	End	339
Name	OJ991210_05.0121.C5.o1.np	Method	AAT/NAP
Start	1	End	339
GI	5902444	Score	403
Exons	1..339		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18973	Strand	-
Start	1	End	339
Name	OJ991210_05.0121.C5.o1.gs	Method	GENSCAN
Start	74	End	339
GI	none	Score	.81
Exons	74..339		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18974	Strand	-
Start	2335	End	5532
Name	OJ991210_05.0121.C5.o3.gs	Method	GENSCAN
Start	2335	End	4377
GI	none	Score	1
Exons	2335..4377		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18974	Strand	-
Start	2335	End	5532
Name	OJ991210_05.0121.C5.o2.np	Method	AAT/NAP
Start	2338	End	5532
GI	3402672	Score	2075
Exons	2338..4264, 5404..5532		
GI Descrip.	(AC004697) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o5.tc	Method	TBLASTX:Cress
Start	2335	End	12434
GI	none	Score	78
Exons	2335..2562, 2341..2469, 2345..2491, 12207..12434, 12257..12373		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-

Start	6383	End	12434
Name	OJ991210_05.0121.C5.o1.tc	Method	TBLASTX:Cress
Start	2566	End	12203
GI	none	Score	323
Exons	2566..2940, 2567..2929, 11837..12202, 11931..12203		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o1.ts	Method	TBLASTX:Soybean
Start	2596	End	12173
GI	none	Score	307
Exons	2596..3003, 2597..2998, 11766..11864, 11771..12172, 11928..12173		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o2.tm	Method	TBLASTX:Maize
Start	2702	End	12067
GI	none	Score	234
Exons	2702..2980, 2704..2979, 11789..12067, 11790..11864, 11928..12065		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o2.tc	Method	TBLASTX:Cress
Start	2962	End	11807
GI	none	Score	76
Exons	2962..3066, 2962..3285, 2972..3286, 3305..3361, 11408..11464, 11483..11797, 11484..11807, 11703..11807		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o2.ts	Method	TBLASTX:Soybean
Start	3430	End	11348
GI	none	Score	125
Exons	3430..3600, 3434..3601, 3652..3798, 3653..3826, 10976..11122, 10977..11123, 11174..11347, 11175..11348		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o4.tm	Method	TBLASTX:Maize
Start	3523	End	11279
GI	none	Score	181
Exons	3523..3600, 3659..4021, 3670..3795, 3850..4026, 10749..10925, 10752..10808, 10853..10921, 10979..11116, 10980..11105, 11174..11254, 11175..11279		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o4.tc	Method	TBLASTX:Cress
Start	3703	End	11072
GI	none	Score	54
Exons	3703..3795, 3704..3781, 3821..4039, 3850..4029, 4099..4203,		

4130..4201, 10557..10676, 10749..10925, 10853..10921,
10980..11072, 10994..11071

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o4.ts	Method	TBLASTX:Soybean
Start	3826	End	10925
GI	none	Score	110
Exons	3826..4029, 3827..4042, 4054..4167, 10611..10739, 10752..10925		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o3.tm	Method	TBLASTX:Maize
Start	4090	End	10687
GI	none	Score	95
Exons	4090..4197, 4090..4203, 4130..4201, 4253..4312, 4261..4311, 10403..10471, 10404..10472, 10452..10685, 10569..10685, 10574..10687		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o2.gp	Method	AAT/GAP
Start	6187	End	8501
GI	3851_1.R1084	Score	2157
Exons	6187..6818, 6928..7023, 7136..7332, 7462..7557, 7658..7697, 8388..8501		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o4.gs	Method	GENSCAN
Start	6383	End	8494
GI	none	Score	.48
Exons	6383..6708, 6928..7023, 7179..7332, 7462..7600, 8003..8035, 8388..8494		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o3.np	Method	AAT/NAP
Start	6458	End	8494
GI	6729501	Score	587
Exons	6458..6761, 6937..7029, 7136..7323, 7462..7651, 8388..8494		
GI Descrip.	(AL132966) splicing factor-like protein [Arabidopsis thaliana]		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o1.tm	Method	TBLASTX:Maize
Start	6536	End	8497
GI	none	Score	42
Exons	6536..6586, 6554..6586, 6578..6670, 6579..6641, 6642..6719,		

6642..6767, 6643..6762, 6643..6771, 6722..6805, 6781..6825, 6967..7026, 6968..7024, 6991..7029, 7135..7332, 7135..7332, 7136..7333, 7136..7333, 7436..7558, 7448..7555, 7459..7557, 7653..7700, 7657..7698, 7658..7702, 7658..7699, 8381..8497, 8387..8497

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o3.ts	Method	TBLASTX:Soybean
Start	6551	End	8499
GI	none	Score	221
Exons	6551..6703, 7136..7315, 7138..7314, 7462..7569, 7463..7570, 7658..7699, 8387..8494, 8388..8471, 8389..8499		

Seq. No.	8889	Seq. ID	OJ991210_05.0121.C5
Gene No.	18975	Strand	-
Start	6383	End	12434
Name	OJ991210_05.0121.C5.o3.tc	Method	TBLASTX:Cress
Start	7145	End	8494
GI	none	Score	221
Exons	7145..7321, 7147..7320, 7151..7321, 7153..7323, 7410..7553, 7448..7558, 7462..7557, 7641..7700, 7658..7699, 8378..8494, 8387..8494		

Seq. No.	8890	Seq. ID	OJ991210_05.0121.C8
Gene No.	18976	Strand	+
Start	3133	End	4730
Name	OJ991210_05.0121.C8.o1.np	Method	AAT/NAP
Start	3133	End	4730
GI	5042434	Score	600
Exons	3133..3266, 3488..4730		
GI Descrip.	(AC006193) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8890	Seq. ID	OJ991210_05.0121.C8
Gene No.	18976	Strand	+
Start	3133	End	4730
Name	OJ991210_05.0121.C8.o1.tw	Method	TBLASTX:Wheat
Start	3170	End	3575
GI	none	Score	64
Exons	3170..3229, 3171..3212, 3194..3307, 3195..3302, 3492..3575		

Seq. No.	8890	Seq. ID	OJ991210_05.0121.C8
Gene No.	18976	Strand	+
Start	3133	End	4730
Name	OJ991210_05.0121.C8.o1.ts	Method	TBLASTX:Soybean
Start	3705	End	4004
GI	none	Score	249
Exons	3705..4004, 3707..3811, 3911..3988		

Seq. No.	8890	Seq. ID	OJ991210_05.0121.C8
Gene No.	18976	Strand	+
Start	3133	End	4730
Name	OJ991210_05.0121.C8.o1.tm	Method	TBLASTX:Maize
Start	3876	End	4495
GI	none	Score	674
Exons	3876..4493, 3876..4037, 3878..4495, 3911..4087, 3964..4491,		

4214..4495

Seq. No.	8891	Seq. ID	OJ991210_05.0121.C10
Gene No.	18977	Strand	-
Start	1	End	974
Name	OJ991210_05.0121.C10.o1.gp	Method	AAT/GAP
Start	1	End	927
GI	4284_1.R1084	Score	1018
Exons	1..315, 711..927		
GI Descrip.	'1943751 5.0e-49 (U93845) Arabidopsis thaliana ER-type calcium pump protein, complete sequence >gi_2078292 (U96455) ER-type Ca2+-pumping ATPase; ECA1p [Arabidopsis thaliana]'		

Seq. No.	8891	Seq. ID	OJ991210_05.0121.C10
Gene No.	18977	Strand	-
Start	1	End	974
Name	OJ991210_05.0121.C10.o1.gs	Method	GENSCAN
Start	45	End	925
GI	none	Score	.76
Exons	45..315, 711..925		

Seq. No.	8891	Seq. ID	OJ991210_05.0121.C10
Gene No.	18977	Strand	-
Start	1	End	974
Name	OJ991210_05.0121.C10.o1.tm	Method	TBLASTX:Maize
Start	53	End	964
GI	none	Score	38
Exons	53..94, 54..104, 109..315, 117..314, 136..345, 705..926, 710..928, 710..964		

Seq. No.	8891	Seq. ID	OJ991210_05.0121.C10
Gene No.	18977	Strand	-
Start	1	End	974
Name	OJ991210_05.0121.C10.o1.tc	Method	TBLASTX:Cress
Start	201	End	974
GI	none	Score	48
Exons	201..314, 713..964, 716..784, 807..974, 843..968		

Seq. No.	8892	Seq. ID	OJ991210_05.0121.C12
Gene No.	18978	Strand	+
Start	2431	End	3091
Name	OJ991210_05.0121.C12.o1.gs	Method	GENSCAN
Start	2431	End	3091
GI	none	Score	.86
Exons	2431..2610, 2639..3091		

Seq. No.	8892	Seq. ID	OJ991210_05.0121.C12
Gene No.	18978	Strand	+
Start	2431	End	3091
Name	OJ991210_05.0121.C12.o1.np	Method	AAT/NAP
Start	2431	End	3070
GI	6522609	Score	77
Exons	2431..2570, 2684..2808, 2943..3070		
GI Descrip.	(AL133298) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8892	Seq. ID	OJ991210_05.0121.C12
Gene No.	18979	Strand	-

Start	3479	End	4433
Name	OJ991210_05.0121.C12.o2.gs	Method	GENSCAN
Start	3479	End	4433
GI	none	Score	.61
Exons	3479..3573, 4319..4433		

Seq. No.	8893	Seq. ID	OJ991210_05.0121.C13
Gene No.	18980	Strand	+
Start	121	End	390
Name	OJ991210_05.0121.C13.o1.gs	Method	GENSCAN
Start	121	End	390
GI	none	Score	.45
Exons	121..390		

Seq. No.	8893	Seq. ID	OJ991210_05.0121.C13
Gene No.	18981	Strand	-
Start	677	End	6046
Name	OJ991210_05.0121.C13.o2.gs	Method	GENSCAN
Start	677	End	6046
GI	none	Score	.56
Exons	677..815, 886..1063, 1615..1796, 2668..2708, 5494..6046		

Seq. No.	8894	Seq. ID	OJ991210_05.0121.C14
Gene No.	18982	Strand	+
Start	1	End	1033
Name	OJ991210_05.0121.C14.o1.np	Method	AAT/NAP
Start	1	End	548
GI	6907106	Score	378
Exons	1..54, 87..303, 375..548		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8894	Seq. ID	OJ991210_05.0121.C14
Gene No.	18982	Strand	+
Start	1	End	1033
Name	OJ991210_05.0121.C14.o1.gs	Method	GENSCAN
Start	7	End	132
GI	none	Score	.47
Exons	7..132		

Seq. No.	8894	Seq. ID	OJ991210_05.0121.C14
Gene No.	18982	Strand	+
Start	1	End	1033
Name	OJ991210_05.0121.C14.o1.gp	Method	AAT/GAP
Start	239	End	1033
GI	6547_1.R1084	Score	690
Exons	239..533, 819..1033		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	8894	Seq. ID	OJ991210_05.0121.C14
Gene No.	18983	Strand	-
Start	3417	End	3863
Name	OJ991210_05.0121.C14.o1.tm	Method	TBLASTX:Maize
Start	60	End	452
GI	none	Score	109
Exons	60..185, 76..111, 91..186, 100..186, 101..187, 184..204,		

186..311, 186..305, 316..384, 320..397, 320..451, 387..452

Seq. No.	8894	Seq. ID	OJ991210_05.0121.C14
Gene No.	18983	Strand	-
Start	3417	End	3863
Name	OJ991210_05.0121.C14.o2.gs	Method	GENSCAN
Start	3417	End	3863
GI	none	Score	.88
Exons	3417..3656, 3786..3863		

Seq. No.	8895	Seq. ID	OJ991210_05.0121.C15
Gene No.	18984	Strand	+
Start	500	End	623
Name	OJ991210_05.0121.C15.o1.gs	Method	GENSCAN
Start	500	End	623
GI	none	Score	.76
Exons	500..623		

Seq. No.	8896	Seq. ID	OJ991210_05.0121.C16
Gene No.	18985	Strand	+
Start	3919	End	7366
Name	OJ991210_05.0121.C16.o1.gs	Method	GENSCAN
Start	3919	End	7045
GI	none	Score	.84
Exons	3919..5316, 5570..5639, 5762..5883, 6019..6297, 6668..7045		

Seq. No.	8896	Seq. ID	OJ991210_05.0121.C16
Gene No.	18985	Strand	+
Start	3919	End	7366
Name	OJ991210_05.0121.C16.o1.np	Method	AAT/NAP
Start	3919	End	7366
GI	1943751	Score	2449
Exons	3919..5316, 5570..5630, 5756..5883, 6019..6297, 6668..7045, 7345..7366		
GI Descrip.	(U93845) Arabidopsis thaliana ER-type calcium pump protein, complete sequence gi|2078292 (U96455) ER-type Ca2+-pumping ATPase; ECA1p [Arabidopsis thaliana]		

Seq. No.	8896	Seq. ID	OJ991210_05.0121.C16
Gene No.	18985	Strand	+
Start	3919	End	7366
Name	OJ991210_05.0121.C16.o1.tc	Method	TBLASTX:Cress
Start	3985	End	7048
GI	none	Score	37
Exons	3985..4011, 4078..4164, 4237..4554, 4239..4553, 4560..5327, 4561..5319, 5763..5879, 5764..5862, 5791..5883, 5795..5875, 6016..6204, 6017..6133, 6018..6203, 6196..6297, 6203..6298, 6204..6299, 6205..6297, 6665..7048, 6667..7047		

Seq. No.	8896	Seq. ID	OJ991210_05.0121.C16
Gene No.	18985	Strand	+
Start	3919	End	7366
Name	OJ991210_05.0121.C16.o1.ts	Method	TBLASTX:Soybean
Start	4867	End	5259
GI	none	Score	487
Exons	4867..5088, 4870..5259, 4872..5252		

Seq. No.	8896	Seq. ID	OJ991210_05.0121.C16
Gene No.	18985	Strand	+
Start	3919	End	7366
Name	OJ991210_05.0121.C16.o2.tm	Method	TBLASTX:Maize
Start	5040	End	5654
GI	none	Score	258
Exons	5040..5327, 5041..5316, 5568..5654		

Seq. No.	8896	Seq. ID	OJ991210_05.0121.C16
Gene No.	18985	Strand	+
Start	3919	End	7366
Name	OJ991210_05.0121.C16.o2.ts	Method	TBLASTX:Soybean
Start	5755	End	6299
GI	none	Score	130
Exons	5755..5871, 5763..5885, 5763..5879, 6016..6210, 6018..6203, 6205..6297, 6213..6299		

Seq. No.	8896	Seq. ID	OJ991210_05.0121.C16
Gene No.	18985	Strand	+
Start	3919	End	7366
Name	OJ991210_05.0121.C16.o1.tm	Method	TBLASTX:Maize
Start	6207	End	7048
GI	none	Score	106
Exons	6207..6299, 6208..6297, 6663..6920, 6665..7000, 6677..6994, 6991..7047, 6992..7048		

Seq. No.	8896	Seq. ID	OJ991210_05.0121.C16
Gene No.	18985	Strand	+
Start	3919	End	7366
Name	OJ991210_05.0121.C16.o3.ts	Method	TBLASTX:Soybean
Start	6665	End	7069
GI	none	Score	113
Exons	6665..6808, 6665..6793, 6824..7069, 6899..7042, 6961..7047		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17
Gene No.	18986	Strand	+
Start	1	End	944
Name	OJ991210_05.0121.C17.o1.gp	Method	AAT/GAP
Start	1	End	405
GI	2312706	Score	468
Exons	1..257, 360..405		
GI Descrip.	1943751 5.0e-49 (U93845) Arabidopsis thaliana ER-type calcium pump protein, complete sequence >gi_2078292 (U96455) ER-type Ca2+-pumping ATPase; ECA1p [Arabidopsis thaliana]		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17
Gene No.	18986	Strand	+
Start	1	End	944
Name	OJ991210_05.0121.C17.o1.np	Method	AAT/NAP
Start	1	End	933
GI	1943751	Score	1130
Exons	1..257, 360..933		
GI Descrip.	(U93845) Arabidopsis thaliana ER-type calcium pump protein, complete sequence gi|2078292 (U96455) ER-type Ca2+-pumping ATPase; ECA1p [Arabidopsis thaliana]		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17

Gene No.	18986	Strand	+
Start	1	End	944
Name	OJ991210_05.0121.C17.o1.gs	Method	GENSCAN
Start	33	End	944
GI	none	Score	.98
Exons	33..257, 360..944		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17
Gene No.	18987	Strand	-
Start	593	End	1350
Name	OJ991210_05.0121.C17.o1.tc	Method	TBLASTX:Cress
Start	20	End	894
GI	none	Score	114
Exons	20..259, 20..268, 27..260, 359..886, 360..794, 796..894		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17
Gene No.	18987	Strand	-
Start	593	End	1350
Name	OJ991210_05.0121.C17.o1.tm	Method	TBLASTX:Maize
Start	20	End	599
GI	none	Score	404
Exons	20..268, 27..260, 28..276, 359..598, 360..599		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17
Gene No.	18987	Strand	-
Start	593	End	1350
Name	OJ991210_05.0121.C17.o1.ts	Method	TBLASTX:Soybean
Start	137	End	846
GI	none	Score	204
Exons	137..259, 138..260, 181..276, 356..559, 359..568, 360..569, 554..808, 562..714, 564..791, 564..845, 781..846		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17
Gene No.	18987	Strand	-
Start	593	End	1350
Name	OJ991210_05.0121.C17.o1.tw	Method	TBLASTX:Wheat
Start	510	End	844
GI	none	Score	415
Exons	510..794, 515..808, 548..844, 561..842		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17
Gene No.	18987	Strand	-
Start	593	End	1350
Name	OJ991210_05.0121.C17.o2.gp	Method	AAT/GAP
Start	593	End	1350
GI	21844_1.R1084	Score	1452
Exons	593..1350		
GI Descrip.	'1943751 2.0e-33 (U93845) Arabidopsis thaliana ER-type calcium pump protein, complete sequence >gi_2078292 (U96455) ER-type Ca2+-pumping ATPase; ECA1p [Arabidopsis thaliana]'		

Seq. No.	8897	Seq. ID	OJ991210_05.0121.C17
Gene No.	18987	Strand	-
Start	593	End	1350
Name	OJ991210_05.0121.C17.o2.tm	Method	TBLASTX:Maize
Start	600	End	902
GI	none	Score	310

Exons	600..794, 602..886, 605..877, 612..902, 855..902		
Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18988	Strand	+
Start	62	End	5815
Name	OJ991210_05.0121.C18.o1.gs	Method	GENSCAN
Start	62	End	5815
GI	none	Score	.8
Exons	62..92, 208..251, 603..809, 863..1724, 1833..2133, 2139..2350, 2359..2796, 2833..2971, 3028..3325, 3518..4039, 4073..5815		
Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18988	Strand	+
Start	62	End	5815
Name	OJ991210_05.0121.C18.o1.np	Method	AAT/NAP
Start	1386	End	5812
GI	6498441	Score	5549
Exons	1386..2653, 2837..2971, 3145..3868, 4040..5437, 5531..5812		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o5.tw	Method	TBLASTX:Wheat
Start	1538	End	1927
GI	none	Score	54
Exons	1538..1582, 1589..1687, 1670..1927		
Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o1.tw	Method	TBLASTX:Wheat
Start	2363	End	2750
GI	none	Score	495
Exons	2363..2743, 2364..2750		
Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o1.tm	Method	TBLASTX:Maize
Start	2418	End	2774
GI	none	Score	392
Exons	2418..2774, 2453..2764, 2658..2774		
Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o3.tm	Method	TBLASTX:Maize
Start	2801	End	3184
GI	none	Score	287
Exons	2801..3085, 2802..3086, 3074..3184		
Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064

Name	OJ991210_05.0121.C18.o2.tw	Method	TBLASTX:Wheat
Start	2858	End	3277
GI	none	Score	281
Exons	2858..3088, 2859..3089, 3071..3277, 3095..3250, 3097..3252		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o1.ts	Method	TBLASTX:Soybean
Start	2937	End	3307
GI	none	Score	154
Exons	2937..3080, 2954..3079, 3077..3307		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o4.tw	Method	TBLASTX:Wheat
Start	3716	End	4174
GI	none	Score	239
Exons	3716..3970, 3740..3964, 3805..3981, 4025..4174, 4036..4173		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o2.ts	Method	TBLASTX:Soybean
Start	3863	End	4429
GI	5666795	Score	68
Exons	3863..3961, 4037..4174, 4229..4429		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o7.tw	Method	TBLASTX:Wheat
Start	4177	End	4489
GI	none	Score	193
Exons	4177..4353, 4229..4489		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o2.tm	Method	TBLASTX:Maize
Start	4682	End	5014
GI	none	Score	358
Exons	4682..5005, 4711..4992, 4802..5014		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o3.tw	Method	TBLASTX:Wheat
Start	4819	End	5220
GI	none	Score	366
Exons	4819..5220, 4820..5200		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064

Name	OJ991210_05.0121.C18.o6.tw	Method	TBLASTX:Wheat
Start	5225	End	5803
GI	none	Score	245
Exons	5225..5503, 5227..5484, 5249..5617, 5677..5799, 5678..5803		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o4.tm	Method	TBLASTX:Maize
Start	5672	End	5815
GI	none	Score	184
Exons	5672..5815, 5677..5811		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o2.gs	Method	GENSCAN
Start	6435	End	10064
GI	none	Score	.79
Exons	6435..7274, 7285..8244, 8447..9391, 9529..9664, 9835..9950, 10005..10064		

Seq. No.	8898	Seq. ID	OJ991210_05.0121.C18
Gene No.	18989	Strand	-
Start	6435	End	10064
Name	OJ991210_05.0121.C18.o2.np	Method	AAT/NAP
Start	6438	End	9645
GI	6907089	Score	4153
Exons	6438..8281, 8385..9645		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	8899	Seq. ID	OJ991210_05.0121.C19
Gene No.	18990	Strand	+
Start	218	End	2485
Name	OJ991210_05.0121.C19.o1.gs	Method	GENSCAN
Start	218	End	2485
GI	none	Score	.8
Exons	218..390, 946..1252, 1337..1413, 1975..2104, 2231..2265, 2342..2485		

Seq. No.	8900	Seq. ID	OJ991210_05.0121.C20
Gene No.	18991	Strand	-
Start	599	End	1874
Name	OJ991210_05.0121.C20.o1.gs	Method	GENSCAN
Start	599	End	1874
GI	none	Score	.41
Exons	599..937, 1701..1874		

Seq. No.	8900	Seq. ID	OJ991210_05.0121.C20
Gene No.	18992	Strand	-
Start	3021	End	3911
Name	OJ991210_05.0121.C20.o2.gs	Method	GENSCAN
Start	3021	End	3899
GI	none	Score	.47
Exons	3021..3899		

Seq. No.	8900	Seq. ID	OJ991210_05.0121.C20

Gene No.	18992	Strand	-
Start	3021	End	3911
Name	OJ991210_05.0121.C20.o1.np	Method	AAT/NAP
Start	3048	End	3911
GI	3355466	Score	116
Exons	3048..3911		
GI Descrip.	(AC004218) unknown protein [Arabidopsis thaliana]		

Seq. No.	8901	Seq. ID	OJ991210_05.0121.C21
Gene No.	18993	Strand	-
Start	1	End	140
Name	OJ991210_05.0121.C21.o1.np	Method	AAT/NAP
Start	1	End	140
GI	5902444	Score	205
Exons	1..140		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8902	Seq. ID	OJ991210_05.0121.C24
Gene No.	18994	Strand	+
Start	1	End	625
Name	OJ991210_05.0121.C24.o1.np	Method	AAT/NAP
Start	1	End	625
GI	5902445	Score	990
Exons	1..625		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8902	Seq. ID	OJ991210_05.0121.C24
Gene No.	18994	Strand	+
Start	1	End	625
Name	OJ991210_05.0121.C24.o2.tw	Method	TBLASTX:Wheat
Start	1	End	136
GI	none	Score	169
Exons	1..135, 2..136		

Seq. No.	8902	Seq. ID	OJ991210_05.0121.C24
Gene No.	18994	Strand	+
Start	1	End	625
Name	OJ991210_05.0121.C24.o1.ts	Method	TBLASTX:Soybean
Start	1	End	367
GI	none	Score	261
Exons	1..126, 2..367		

Seq. No.	8902	Seq. ID	OJ991210_05.0121.C24
Gene No.	18994	Strand	+
Start	1	End	625
Name	OJ991210_05.0121.C24.o1.tm	Method	TBLASTX:Maize
Start	34	End	478
GI	none	Score	267
Exons	34..183, 35..289, 35..292, 311..454, 452..478		

Seq. No.	8902	Seq. ID	OJ991210_05.0121.C24
Gene No.	18994	Strand	+
Start	1	End	625
Name	OJ991210_05.0121.C24.o1.gs	Method	GENSCAN
Start	41	End	415
GI	none	Score	.74
Exons	41..415		

Seq. No.	8902	Seq. ID	OJ991210_05.0121.C24
Gene No.	18994	Strand	+
Start	1	End	625
Name	OJ991210_05.0121.C24.o1.tw	Method	TBLASTX:Wheat
Start	137	End	565
GI	none	Score	402
Exons	137..565, 232..564		

Seq. No.	8903	Seq. ID	OJ991210_05.0121.C25
Gene No.	18995	Strand	-
Start	1	End	472
Name	OJ991210_05.0121.C25.o1.np	Method	AAT/NAP
Start	1	End	472
GI	5902444	Score	570
Exons	1..472		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8903	Seq. ID	OJ991210_05.0121.C25
Gene No.	18995	Strand	-
Start	1	End	472
Name	OJ991210_05.0121.C25.o1.gs	Method	GENSCAN
Start	11	End	415
GI	none	Score	.88
Exons	11..415		

Seq. No.	8904	Seq. ID	OJ991210_03.0121.C1
Gene No.	18996	Strand	+
Start	2477	End	2944
Name	OJ991210_03.0121.C1.o1.gs	Method	GENSCAN
Start	2477	End	2944
GI	none	Score	.95
Exons	2477..2944		

Seq. No.	8904	Seq. ID	OJ991210_03.0121.C1
Gene No.	18997	Strand	-
Start	2427	End	6395
Name	OJ991210_03.0121.C1.o1.np	Method	AAT/NAP
Start	2427	End	6395
GI	5902444	Score	3150
Exons	2427..2465, 3864..6395		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	8904	Seq. ID	OJ991210_03.0121.C1
Gene No.	18997	Strand	-
Start	2427	End	6395
Name	OJ991210_03.0121.C1.o1.tw	Method	TBLASTX:Wheat
Start	4677	End	5079
GI	none	Score	61
Exons	4677..5078, 4975..5079		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18998	Strand	+
Start	1	End	13822
Name	OJ991210_03.0121.C2.o1.np	Method	AAT/NAP
Start	1	End	10243
GI	3980411	Score	105

Exons	1..238, 2304..2636, 2900..3026, 4239..4330, 5879..5985, 10153..10243		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18998	Strand	+
Start	1	End	13822
Name	OJ991210_03.0121.C2.o1.gs	Method	GENSCAN
Start	23	End	253
GI	none	Score	.67
Exons	23..253		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18998	Strand	+
Start	1	End	13822
Name	OJ991210_03.0121.C2.o4.np	Method	AAT/NAP
Start	8841	End	13822
GI	130582	Score	651
Exons	8841..8891, 13014..13822		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o4.tm	Method	TBLASTX:Maize
Start	1	End	196
GI	none	Score	207
Exons	1..195, 2..196		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o1.gp	Method	AAT/GAP
Start	2149	End	2652
GI	4716750	Score	973
Exons	2149..2652		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o2.gs	Method	GENSCAN
Start	2288	End	8420
GI	none	Score	.49
Exons	2288..2539, 3759..4079, 4468..4700, 4764..5133, 5498..5758, 6141..6161, 6242..6360, 6468..6654, 6740..7106, 7182..7255, 7553..7581, 7802..8420		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o2.np	Method	AAT/NAP
Start	4750	End	9995
GI	5441880	Score	2720
Exons	4750..4964, 5258..5758, 5863..6161, 6740..7073, 7182..7321,		

	7923..8249, 8508..8539, 8984..9995		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o2.gp	Method	AAT/GAP
Start	5071	End	5395
GI	LIB3433-020-P1-K1-A6	Score	590
Exons	5071..5395		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o3.tw	Method	TBLASTX:Wheat
Start	6833	End	7015
GI	none	Score	107
Exons	6833..6952, 6834..6953, 6951..7001, 6962..7015		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o3.gs	Method	GENSCAN
Start	8598	End	12281
GI	none	Score	.62
Exons	8598..10000, 10419..10465, 10723..10797, 12217..12281		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o1.tw	Method	TBLASTX:Wheat
Start	8757	End	9132
GI	none	Score	66
Exons	8757..8930, 8768..8908, 8863..8931, 8955..9131, 8980..9132		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o2.tm	Method	TBLASTX:Maize
Start	8832	End	9428
GI	none	Score	171
Exons	8832..8903, 8950..9249, 8961..9428, 9301..9423		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	18999	Strand	-
Start	2288	End	13005
Name	OJ991210_03.0121.C2.o3.np	Method	AAT/NAP
Start	11112	End	13005
GI	5902448	Score	180
Exons	11112..11145, 12675..13005		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2

Gene No.	19000	Strand	
Start	13018	End	13816
Name	OJ991210_03.0121.C2.o3.tm	Method	TBLASTX:Maize
Start	13018	End	13344
GI	none	Score	129
Exons	13018..13329, 13026..13331, 13028..13339, 13028..13321, 13093..13344		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	19000	Strand	
Start	13018	End	13816
Name	OJ991210_03.0121.C2.o1.ts	Method	TBLASTX:Soybean
Start	13203	End	13765
GI	none	Score	85
Exons	13203..13316, 13215..13310, 13347..13571, 13412..13567, 13590..13661, 13658..13765		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	19000	Strand	
Start	13018	End	13816
Name	OJ991210_03.0121.C2.o2.tw	Method	TBLASTX:Wheat
Start	13368	End	13789
GI	none	Score	137
Exons	13368..13571, 13412..13558, 13590..13661, 13658..13789		

Seq. No.	8905	Seq. ID	OJ991210_03.0121.C2
Gene No.	19000	Strand	
Start	13018	End	13816
Name	OJ991210_03.0121.C2.o1.tm	Method	TBLASTX:Maize
Start	13395	End	13816
GI	none	Score	282
Exons	13395..13661, 13412..13633, 13572..13643, 13643..13816, 13658..13810, 13687..13812		

Seq. No.	8906	Seq. ID	OJ991210_03.0121.C3
Gene No.	19001	Strand	+
Start	592	End	738
Name	OJ991210_03.0121.C3.o1.gp	Method	AAT/GAP
Start	592	End	738
GI	21474_1.R1084	Score	235
Exons	592..738		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8906	Seq. ID	OJ991210_03.0121.C3
Gene No.	19002	Strand	+
Start	4241	End	4512
Name	OJ991210_03.0121.C3.o2.gp	Method	AAT/GAP
Start	4241	End	4512
GI	2310235	Score	398
Exons	4241..4512		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8906	Seq. ID	OJ991210_03.0121.C3
Gene No.	19003	Strand	-
Start	233	End	5570

Name	OJ991210_03.0121.C3.o1.gs	Method	GENSCAN
Start	233	End	5570
GI	none	Score	.6
Exons	233..285, 1114..1216, 1296..1394, 1666..1756, 1851..2024, 2132..2193, 2335..2408, 2608..2863, 3035..3139, 3272..3391, 3437..3720, 3960..4470, 5416..5452, 5518..5570		

Seq. No.	8906	Seq. ID	OJ991210_03.0121.C3
Gene No.	19003	Strand	-
Start	233	End	5570
Name	OJ991210_03.0121.C3.o1.np	Method	AAT/NAP
Start	1044	End	4707
GI	4680204	Score	891
Exons	1044..1186, 1537..1756, 1851..2017, 2111..3176, 3272..4707		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8906	Seq. ID	OJ991210_03.0121.C3
Gene No.	19003	Strand	-
Start	233	End	5570
Name	OJ991210_03.0121.C3.o1.tw	Method	TBLASTX:Wheat
Start	3662	End	4064
GI	none	Score	61
Exons	3662..3832, 3663..3779, 3795..4004, 3827..4000, 3979..4062, 3990..4064		

Seq. No.	8907	Seq. ID	OJ991210_03.0121.C4
Gene No.	19004	Strand	-
Start	18	End	338
Name	OJ991210_03.0121.C4.o1.gs	Method	GENSCAN
Start	18	End	338
GI	none	Score	.41
Exons	18..338		

Seq. No.	8908	Seq. ID	OJ991210_03.0121.C6
Gene No.	19005	Strand	+
Start	1483	End	1551
Name	OJ991210_03.0121.C6.o1.gs	Method	GENSCAN
Start	1483	End	1551
GI	none	Score	.48
Exons	1483..1551		

Seq. No.	8909	Seq. ID	OJ991210_03.0121.C7
Gene No.	19006	Strand	+
Start	329	End	3246
Name	OJ991210_03.0121.C7.o1.gs	Method	GENSCAN
Start	329	End	3237
GI	none	Score	.74
Exons	329..1119, 1699..2116, 2153..2287, 2377..2867, 3027..3237		

Seq. No.	8909	Seq. ID	OJ991210_03.0121.C7
Gene No.	19006	Strand	+
Start	329	End	3246
Name	OJ991210_03.0121.C7.o1.np	Method	AAT/NAP
Start	332	End	3222
GI	3819099	Score	1523
Exons	332..1119, 1699..2083, 2174..2287, 2377..2933, 3027..3222		
GI Descrip.	(AJ009825) copper amine oxidase [Cicer arietinum]		

Seq. No.	8909	Seq. ID	OJ991210_03.0121.C7
Gene No.	19006	Strand	+
Start	329	End	3246
Name	OJ991210_03.0121.C7.o2.ts	Method	TBLASTX:Soybean
Start	437	End	901
GI	none	Score	75
Exons	437..544, 499..543, 637..885, 650..901, 650..892		

Seq. No.	8909	Seq. ID	OJ991210_03.0121.C7
Gene No.	19006	Strand	+
Start	329	End	3246
Name	OJ991210_03.0121.C7.o1.tc	Method	TBLASTX:Cress
Start	488	End	3177
GI	none	Score	54
Exons	488..544, 581..697, 659..874, 685..885, 887..1045, 1696..2025, 1697..2074, 1700..2086, 2226..2288, 2228..2290, 2376..2546, 2386..2595, 2614..2934, 2616..2936, 3012..3176, 3022..3177		

Seq. No.	8909	Seq. ID	OJ991210_03.0121.C7
Gene No.	19006	Strand	+
Start	329	End	3246
Name	OJ991210_03.0121.C7.o1.ts	Method	TBLASTX:Soybean
Start	1697	End	3189
GI	none	Score	408
Exons	1697..2050, 1699..1902, 1957..2049, 2168..2290, 2176..2289, 2374..2451, 2386..2436, 2446..2595, 2686..2784, 2763..2915, 2764..2934, 3012..3170, 3022..3189		

Seq. No.	8909	Seq. ID	OJ991210_03.0121.C7
Gene No.	19006	Strand	+
Start	329	End	3246
Name	OJ991210_03.0121.C7.o1.tm	Method	TBLASTX:Maize
Start	3040	End	3246
GI	none	Score	197
Exons	3040..3246, 3048..3161		

Seq. No.	8910	Seq. ID	OJ991210_03.0121.C8
Gene No.	19007	Strand	-
Start	1935	End	3007
Name	OJ991210_03.0121.C8.o1.gs	Method	GENSCAN
Start	1935	End	3007
GI	none	Score	.67
Exons	1935..2110, 2971..3007		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10
Gene No.	19008	Strand	-
Start	1	End	1774
Name	OJ991210_03.0121.C10.o1.gp	Method	AAT/GAP
Start	1	End	1284
GI	342_1.R1084	Score	2056
Exons	1..1284		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10
Gene No.	19008	Strand	-

Start	1	End	1774
Name	OJ991210_03.0121.C10.o1.np	Method	AAT/NAP
Start	1	End	1288
GI	4680203	Score	1470
Exons	1..1288		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10
Gene No.	19008	Strand	-
Start	1	End	1774
Name	OJ991210_03.0121.C10.o1.gs	Method	GENSCAN
Start	12	End	1288
GI	none	Score	.46
Exons	12..173, 476..1288		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10
Gene No.	19008	Strand	-
Start	1	End	1774
Name	OJ991210_03.0121.C10.o1.tw	Method	TBLASTX:Wheat
Start	27	End	368
GI	none	Score	104
Exons	27..188, 27..194, 70..195, 100..195, 188..367, 189..368		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10
Gene No.	19008	Strand	-
Start	1	End	1774
Name	OJ991210_03.0121.C10.o1.tm	Method	TBLASTX:Maize
Start	111	End	496
GI	none	Score	115
Exons	111..194, 188..391, 189..368, 407..496		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10
Gene No.	19008	Strand	-
Start	1	End	1774
Name	OJ991210_03.0121.C10.o1.tc	Method	TBLASTX:Cress
Start	188	End	503
GI	none	Score	68
Exons	188..496, 216..311, 351..503		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10
Gene No.	19008	Strand	-
Start	1	End	1774
Name	OJ991210_03.0121.C10.o1.ts	Method	TBLASTX:Soybean
Start	236	End	665
GI	none	Score	105
Exons	236..532, 249..500, 582..665, 590..664		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10
Gene No.	19008	Strand	-
Start	1	End	1774
Name	OJ991210_03.0121.C10.o2.tw	Method	TBLASTX:Wheat
Start	586	End	982
GI	none	Score	185
Exons	586..828, 594..836, 596..847, 597..839, 623..847, 830..982, 844..963, 854..955		

Seq. No.	8911	Seq. ID	OJ991210_03.0121.C10

Gene No.	19008	Strand	-
Start	1	End	1774
Name	OJ991210_03.0121.C10.o2.gp	Method	AAT/GAP
Start	1149	End	1774
GI	2310235	Score	305
Exons	1149..1288, 1737..1774		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8912	Seq. ID	OJ991210_03.0121.C11
Gene No.	19009	Strand	+
Start	4724	End	4949
Name	OJ991210_03.0121.C11.o3.gp	Method	AAT/GAP
Start	4724	End	4949
GI	2312838	Score	65
Exons	4724..4782, 4929..4949		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	8912	Seq. ID	OJ991210_03.0121.C11
Gene No.	19010	Strand	-
Start	415	End	6210
Name	OJ991210_03.0121.C11.o1.gs	Method	GENSCAN
Start	415	End	6210
GI	none	Score	.42
Exons	415..424, 856..972, 1377..1540, 3366..3578, 5127..5384, 5570..5683, 5763..5854, 6144..6210		

Seq. No.	8913	Seq. ID	OJ991210_03.0121.C12
Gene No.	19011	Strand	+
Start	9	End	363
Name	OJ991210_03.0121.C12.o1.gs	Method	GENSCAN
Start	9	End	363
GI	none	Score	.54
Exons	9..148, 333..363		

Seq. No.	8913	Seq. ID	OJ991210_03.0121.C12
Gene No.	19012	Strand	-
Start	1	End	229
Name	OJ991210_03.0121.C12.o1.np	Method	AAT/NAP
Start	1	End	229
GI	6721556	Score	82
Exons	1..229		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815081|dbj|BAA90367.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8913	Seq. ID	OJ991210_03.0121.C12
Gene No.	19013	Strand	-
Start	914	End	1111
Name	OJ991210_03.0121.C12.o2.gs	Method	GENSCAN
Start	914	End	1111
GI	none	Score	1
Exons	914..1111		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19014	Strand	+

Start	3206	End	5902
Name	OJ991210_03.0121.C13.o2.gs	Method	GENSCAN
Start	3206	End	5902
GI	none	Score	.57
Exons	3206..3241, 5596..5677, 5736..5902		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19015	Strand	+
Start	6593	End	10824
Name	OJ991210_03.0121.C13.o3.gs	Method	GENSCAN
Start	6593	End	10824
GI	none	Score	.54
Exons	6593..6652, 6737..6901, 8108..8259, 10650..10824		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19016	Strand	+
Start	19537	End	25064
Name	OJ991210_03.0121.C13.o3.np	Method	AAT/NAP
Start	19537	End	25064
GI	4680341	Score	626
Exons	19537..19590, 21720..21911, 21970..22344, 22643..22693, 25043..25064		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19017	Strand	-
Start	11	End	2003
Name	OJ991210_03.0121.C13.o1.gs	Method	GENSCAN
Start	11	End	805
GI	none	Score	.54
Exons	11..202, 235..343, 624..805		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19017	Strand	-
Start	11	End	2003
Name	OJ991210_03.0121.C13.o1.np	Method	AAT/NAP
Start	20	End	2003
GI	6681342	Score	154
Exons	20..382, 1957..2003		
GI Descrip.	(AC015985) unknown protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19018	Strand	-
Start	11202	End	14134
Name	OJ991210_03.0121.C13.o1.gp	Method	AAT/GAP
Start	11202	End	12235
GI	13133_1.R1084	Score	1807
Exons	11202..11825, 11920..12235		
GI Descrip.	'4415931/gb|AAD20161| 3.0e-83 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19018	Strand	-
Start	11202	End	14134
Name	OJ991210_03.0121.C13.o2.np	Method	AAT/NAP
Start	11448	End	13248

GI	4415931	Score	1471
Exons	11448..11825, 11920..13248		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19018	Strand	-
Start	11202	End	14134
Name	OJ991210_03.0121.C13.o4.gs	Method	GENSCAN
Start	11448	End	13248
GI	none	Score	.56
Exons	11448..11825, 11920..13248		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19018	Strand	-
Start	11202	End	14134
Name	OJ991210_03.0121.C13.o2.gp	Method	AAT/GAP
Start	12684	End	14134
GI	20328_1.R1084	Score	2058
Exons	12684..13462, 13551..13629, 13740..13834, 13983..14134		
GI Descrip.	'4415931/gb|AAD20161| 8.0e-38 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o4.ts	Method	TBLASTX:Soybean
Start	11	End	175
GI	none	Score	151
Exons	11..175, 12..161		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o3.tc	Method	TBLASTX:Cress
Start	27	End	175
GI	none	Score	116
Exons	27..161, 38..175		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o3.tm	Method	TBLASTX:Maize
Start	42	End	175
GI	none	Score	135
Exons	42..161, 44..175		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o1.tm	Method	TBLASTX:Maize
Start	11332	End	13258
GI	none	Score	42
Exons	11332..11361, 11333..11368, 11334..11369, 11416..11790, 11420..11476, 11421..11828, 11423..11830, 11424..11852, 11519..11830, 11920..12531, 11921..12532, 12520..12783, 12529..12783, 12781..13212, 12783..13022, 12784..13245,		

13043..13222, 13238..13258

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o2.ts	Method	TBLASTX:Soybean
Start	11466	End	11831
GI	none	Score	215
Exons	11466..11828, 11467..11829, 11538..11831		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o1.tc	Method	TBLASTX:Cress
Start	11586	End	12384
GI	none	Score	74
Exons	11586..11852, 11923..11970, 11947..12138, 12154..12195, 12232..12300, 12325..12384		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o3.tw	Method	TBLASTX:Wheat
Start	11923	End	12276
GI	none	Score	64
Exons	11923..11973, 11971..12138, 12232..12276		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o1.ts	Method	TBLASTX:Soybean
Start	11974	End	12571
GI	none	Score	170
Exons	11974..12138, 11975..12139, 11984..12157, 12143..12217, 12148..12198, 12211..12555, 12223..12309, 12227..12571		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o2.tc	Method	TBLASTX:Cress
Start	12796	End	13098
GI	none	Score	112
Exons	12796..13098, 12799..13095		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o3.ts	Method	TBLASTX:Soybean
Start	12892	End	13092
GI	none	Score	78
Exons	12892..13092, 12903..13076		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o1.tw	Method	TBLASTX:Wheat
Start	13072	End	13428

GI	none	Score	206
Exons	13072..13245, 13076..13246, 13256..13324, 13336..13392, 13338..13391, 13339..13392, 13371..13427, 13374..13415, 13375..13428		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o4.tw	Method	TBLASTX:Wheat
Start	22192	End	22652
GI	none	Score	46
Exons	22192..22209, 22231..22326, 22233..22283, 22234..22332, 22352..22372, 22352..22399, 22394..22468, 22403..22468, 22404..22469, 22574..22633, 22617..22652		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o2.tw	Method	TBLASTX:Wheat
Start	23685	End	24042
GI	none	Score	67
Exons	23685..23729, 23738..23842, 23739..23819, 23747..23839, 23860..24042		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o2.tm	Method	TBLASTX:Maize
Start	23774	End	24087
GI	none	Score	43
Exons	23774..23842, 23799..23855, 23872..24087, 23879..23989		

Seq. No.	8914	Seq. ID	OJ991210_03.0121.C13
Gene No.	19019	Strand	-
Start	25843	End	26111
Name	OJ991210_03.0121.C13.o6.gs	Method	GENSCAN
Start	25843	End	26111
GI	none	Score	.89
Exons	25843..25971, 26040..26111		

Seq. No.	8915	Seq. ID	OJ991210_03.0121.C14
Gene No.	19020	Strand	+
Start	66	End	565
Name	OJ991210_03.0121.C14.o1.gs	Method	GENSCAN
Start	66	End	565
GI	none	Score	.8
Exons	66..235, 494..565		

Seq. No.	8916	Seq. ID	OJ991210_03.0121.C15
Gene No.	19021	Strand	+
Start	439	End	617
Name	OJ991210_03.0121.C15.o1.gs	Method	GENSCAN
Start	439	End	617
GI	none	Score	.55
Exons	439..617		

Seq. No.	8916	Seq. ID	OJ991210_03.0121.C15

Gene No.	19022	Strand	-
Start	1	End	1222
Name	OJ991210_03.0121.C15.o1.np	Method	AAT/NAP
Start	1	End	1222
GI	6721512	Score	83
Exons	1..21, 805..923, 965..1094, 1122..1222		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	8917	Seq. ID	OJ991210_03.0121.C17
Gene No.	19023	Strand	+
Start	1	End	624
Name	OJ991210_03.0121.C17.o1.np	Method	AAT/NAP
Start	1	End	624
GI	2995405	Score	618
Exons	1..624		
GI Descrip.	(Y12432) polyprotein [Ananas comosus]		

Seq. No.	8917	Seq. ID	OJ991210_03.0121.C17
Gene No.	19023	Strand	+
Start	1	End	624
Name	OJ991210_03.0121.C17.o1.ts	Method	TBLASTX:Soybean
Start	9	End	375
GI	none	Score	75
Exons	9..68, 56..283, 124..279, 304..375		

Seq. No.	8917	Seq. ID	OJ991210_03.0121.C17
Gene No.	19023	Strand	+
Start	1	End	624
Name	OJ991210_03.0121.C17.o1.tw	Method	TBLASTX:Wheat
Start	80	End	489
GI	none	Score	219
Exons	80..283, 80..283, 124..285, 298..435, 303..452, 304..489		

Seq. No.	8917	Seq. ID	OJ991210_03.0121.C17
Gene No.	19023	Strand	+
Start	1	End	624
Name	OJ991210_03.0121.C17.o2.tm	Method	TBLASTX:Maize
Start	82	End	250
GI	none	Score	187
Exons	82..246, 83..250		

Seq. No.	8917	Seq. ID	OJ991210_03.0121.C17
Gene No.	19023	Strand	+
Start	1	End	624
Name	OJ991210_03.0121.C17.o1.gs	Method	GENSCAN
Start	265	End	480
GI	none	Score	.94
Exons	265..480		

Seq. No.	8917	Seq. ID	OJ991210_03.0121.C17
Gene No.	19023	Strand	+
Start	1	End	624
Name	OJ991210_03.0121.C17.o1.tm	Method	TBLASTX:Maize
Start	307	End	623
GI	none	Score	215
Exons	307..537, 327..533, 533..622, 534..623		

Seq. No.	8918	Seq. ID	OJ991210_03.0121.C19
Gene No.	19024	Strand	-
Start	428	End	1950
Name	OJ991210_03.0121.C19.o1.np	Method	AAT/NAP
Start	407	End	1950
GI	2130082	Score	740
Exons	407..823, 933..1950		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	8918	Seq. ID	OJ991210_03.0121.C19
Gene No.	19024	Strand	-
Start	428	End	1950
Name	OJ991210_03.0121.C19.o1.gs	Method	GENSCAN
Start	428	End	1830
GI	none	Score	.7
Exons	428..823, 1036..1830		

Seq. No.	8918	Seq. ID	OJ991210_03.0121.C19
Gene No.	19024	Strand	-
Start	428	End	1950
Name	OJ991210_03.0121.C19.o1.ts	Method	TBLASTX:Soybean
Start	443	End	1512
GI	none	Score	67
Exons	443..562, 444..554, 644..778, 754..825, 783..824, 934..981, 935..973, 948..998, 985..1512, 993..1163, 1006..1455, 1016..1510		

Seq. No.	8918	Seq. ID	OJ991210_03.0121.C19
Gene No.	19024	Strand	-
Start	428	End	1950
Name	OJ991210_03.0121.C19.o1.tc	Method	TBLASTX:Cress
Start	446	End	1905
GI	none	Score	71
Exons	446..556, 707..778, 991..1182, 1285..1518, 1774..1905		

Seq. No.	8918	Seq. ID	OJ991210_03.0121.C19
Gene No.	19024	Strand	-
Start	428	End	1950
Name	OJ991210_03.0121.C19.o1.gp	Method	AAT/GAP
Start	553	End	995
GI	LIB3434-012-P1-K1-A6	Score	566
Exons	553..823, 933..995		
GI Descrip.	'2586083 9.0e-14 (U72725) receptor kinase-like protein [Oryza longistaminata]'		

Seq. No.	8918	Seq. ID	OJ991210_03.0121.C19
Gene No.	19024	Strand	-
Start	428	End	1950
Name	OJ991210_03.0121.C19.o1.tm	Method	TBLASTX:Maize
Start	940	End	1375
GI	none	Score	66
Exons	940..966, 1003..1158, 1022..1087, 1024..1158, 1207..1374, 1214..1375		

Seq. No.	8918	Seq. ID	OJ991210_03.0121.C19
Gene No.	19024	Strand	-
Start	428	End	1950
Name	OJ991210_03.0121.C19.o1.tw	Method	TBLASTX:Wheat
Start	949	End	1155
GI	none	Score	180
Exons	949..1155		

Seq. No.	8919	Seq. ID	OJ991210_03.0121.C20
Gene No.	19025	Strand	-
Start	1	End	1571
Name	OJ991210_03.0121.C20.o1.np	Method	AAT/NAP
Start	1	End	1571
GI	2586083	Score	808
Exons	1..1037, 1110..1571		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	8919	Seq. ID	OJ991210_03.0121.C20
Gene No.	19026	Strand	-
Start	2780	End	3985
Name	OJ991210_03.0121.C20.o1.tc	Method	TBLASTX:Cress
Start	6	End	1358
GI	none	Score	97
Exons	6..80, 6..80, 132..503, 135..485, 135..485, 135..485, 135..473, 135..398, 135..338, 142..459, 144..470, 144..503, 145..372, 327..464, 546..752, 591..776, 591..752, 594..788, 594..752, 603..752, 789..959, 792..1358, 792..1076, 801..1346, 804..1142, 1008..1346, 1011..1355, 1018..1350, 1071..1349, 1084..1194, 1167..1355		

Seq. No.	8919	Seq. ID	OJ991210_03.0121.C20
Gene No.	19026	Strand	-
Start	2780	End	3985
Name	OJ991210_03.0121.C20.o1.tm	Method	TBLASTX:Maize
Start	6	End	1367
GI	none	Score	74
Exons	6..80, 132..485, 135..359, 135..455, 135..398, 135..401, 144..470, 145..384, 198..470, 211..384, 216..479, 351..482, 351..482, 489..575, 591..782, 594..785, 594..752, 594..761, 594..779, 801..1208, 873..1346, 1020..1349, 1077..1358, 1080..1367, 1090..1248, 1093..1353		

Seq. No.	8919	Seq. ID	OJ991210_03.0121.C20
Gene No.	19026	Strand	-
Start	2780	End	3985
Name	OJ991210_03.0121.C20.o1.ts	Method	TBLASTX:Soybean
Start	135	End	1355
GI	none	Score	78
Exons	135..485, 135..473, 135..347, 135..416, 141..485, 144..482, 145..384, 147..482, 211..477, 360..431, 483..587, 591..776, 594..788, 594..752, 792..1349, 795..1073, 795..959, 801..1346, 804..1139, 1069..1263, 1167..1355		

Seq. No.	8919	Seq. ID	OJ991210_03.0121.C20
Gene No.	19026	Strand	-
Start	2780	End	3985
Name	OJ991210_03.0121.C20.o1.tw	Method	TBLASTX:Wheat

Start	189	End	1319
GI	none	Score	80
Exons	189..344, 261..416, 417..479, 433..582, 435..581, 591..842, 630..842, 1077..1160, 1170..1319		

Seq. No.	8919	Seq. ID	OJ991210_03.0121.C20
Gene No.	19026	Strand	-
Start	2780	End	3985
Name	OJ991210_03.0121.C20.o2.np	Method	AAT/NAP
Start	2780	End	3985
GI	5922636	Score	205
Exons	2780..2826, 3577..3985		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8920	Seq. ID	OJ991210_03.0121.C21
Gene No.	19027	Strand	+
Start	438	End	3799
Name	OJ991210_03.0121.C21.o2.np	Method	AAT/NAP
Start	438	End	3799
GI	5852181	Score	96
Exons	438..501, 3540..3799		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	8920	Seq. ID	OJ991210_03.0121.C21
Gene No.	19027	Strand	+
Start	438	End	3799
Name	OJ991210_03.0121.C21.o1.gs	Method	GENSCAN
Start	770	End	1488
GI	none	Score	.85
Exons	770..1111, 1225..1488		

Seq. No.	8920	Seq. ID	OJ991210_03.0121.C21
Gene No.	19028	Strand	-
Start	1	End	2273
Name	OJ991210_03.0121.C21.o1.np	Method	AAT/NAP
Start	1	End	2273
GI	5922636	Score	141
Exons	1..152, 956..1116, 1266..1359, 2217..2273		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8920	Seq. ID	OJ991210_03.0121.C21
Gene No.	19029	Strand	-
Start	2213	End	3061
Name	OJ991210_03.0121.C21.o2.gs	Method	GENSCAN
Start	2213	End	3061
GI	none	Score	.71
Exons	2213..2363, 3012..3061		

Seq. No.	8921	Seq. ID	OJ991210_03.0121.C22

Gene No.	19030	Strand	-
Start	698	End	2012
Name	OJ991210_03.0121.C22.o1.gs	Method	GENSCAN
Start	698	End	2005
GI	none	Score	.51
Exons	698..729, 1765..2005		

Seq. No.	8921	Seq. ID	OJ991210_03.0121.C22
Gene No.	19030	Strand	-
Start	698	End	2012
Name	OJ991210_03.0121.C22.o1.np	Method	AAT/NAP
Start	1740	End	2012
GI	4680179	Score	217
Exons	1740..2012		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8921	Seq. ID	OJ991210_03.0121.C22
Gene No.	19030	Strand	-
Start	698	End	2012
Name	OJ991210_03.0121.C22.o1.tw	Method	TBLASTX:Wheat
Start	1784	End	2011
GI	none	Score	77
Exons	1784..2011, 1848..2009		

Seq. No.	8921	Seq. ID	OJ991210_03.0121.C22
Gene No.	19030	Strand	-
Start	698	End	2012
Name	OJ991210_03.0121.C22.o1.tm	Method	TBLASTX:Maize
Start	1790	End	2011
GI	none	Score	80
Exons	1790..2011, 1817..1969, 1848..1994		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19031	Strand	+
Start	6941	End	7242
Name	OJ991210_03.0121.C23.o2.gs	Method	GENSCAN
Start	6941	End	7242
GI	none	Score	.92
Exons	6941..7022, 7049..7242		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19032	Strand	+
Start	7569	End	11206
Name	OJ991210_03.0121.C23.o3.gs	Method	GENSCAN
Start	7569	End	10002
GI	none	Score	.68
Exons	7569..7793, 7880..8048, 8252..8285, 8590..8755, 8789..8911, 8983..9127, 9863..10002		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19032	Strand	+
Start	7569	End	11206
Name	OJ991210_03.0121.C23.o1.gp	Method	AAT/GAP
Start	8800	End	9249
GI	uC-osf1M202048e11b1	Score	511
Exons	8800..8911, 8983..9078, 9170..9249		
GI Descrip.	'2494312/sp|P70541|E2BG_RAT 9.0e-13 TRANSLATION INITIATION		

FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EXCHANGE FACTOR) >gi_1537015 (U38253) initiation factor eIF-2B gamma subunit [Rattus norvegicus]'

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19032	Strand	+
Start	7569	End	11206
Name	OJ991210_03.0121.C23.o2.np	Method	AAT/NAP
Start	8852	End	11206
GI	2983302	Score	51
Exons	8852..8911, 8986..9078, 11157..11206		
GI Descrip.	(AE000704) mannose-1-phosphate guanyltransferase [Aquifex aeolicus]		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19033	Strand	-
Start	1	End	6394
Name	OJ991210_03.0121.C23.o1.np	Method	AAT/NAP
Start	1	End	3250
GI	4680179	Score	1005
Exons	1..1046, 1206..1971, 3226..3250		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19033	Strand	-
Start	1	End	6394
Name	OJ991210_03.0121.C23.o1.tm	Method	TBLASTX:Maize
Start	1	End	378
GI	none	Score	94
Exons	1..189, 3..377, 235..378		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19033	Strand	-
Start	1	End	6394
Name	OJ991210_03.0121.C23.o1.tw	Method	TBLASTX:Wheat
Start	3	End	483
GI	none	Score	281
Exons	3..377, 4..483, 426..482		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19033	Strand	-
Start	1	End	6394
Name	OJ991210_03.0121.C23.o1.gs	Method	GENSCAN
Start	273	End	6394
GI	none	Score	.41
Exons	273..526, 984..1035, 1053..1133, 1496..1710, 2743..2889, 2894..3071, 3597..4147, 5755..5879, 6066..6394		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19033	Strand	-
Start	1	End	6394
Name	OJ991210_03.0121.C23.o2.tw	Method	TBLASTX:Wheat
Start	1616	End	1987
GI	none	Score	49
Exons	1616..1987, 1617..1757, 1799..1960		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23

Gene No.	19034	Strand	
Start	8746	End	9262
Name	OJ991210_03.0121.C23.o2.tm	Method	TBLASTX:Maize
Start	8746	End	9250
GI	none	Score	37
Exons	8746..8808, 8815..8874, 8843..8875, 8968..9081, 8982..9080, 9164..9250, 9169..9210		

Seq. No.	8922	Seq. ID	OJ991210_03.0121.C23
Gene No.	19034	Strand	
Start	8746	End	9262
Name	OJ991210_03.0121.C23.o1.ts	Method	TBLASTX:Soybean
Start	8842	End	9262
GI	none	Score	55
Exons	8842..8892, 8846..8887, 8965..9081, 9164..9262		

Seq. No.	8923	Seq. ID	OJ991210_03.0121.C24
Gene No.	19035	Strand	+
Start	362	End	776
Name	OJ991210_03.0121.C24.o1.tm	Method	TBLASTX:Maize
Start	356	End	776
GI	none	Score	95
Exons	356..454, 372..446, 382..456, 394..456, 546..776, 547..768		

Seq. No.	8923	Seq. ID	OJ991210_03.0121.C24
Gene No.	19035	Strand	+
Start	362	End	776
Name	OJ991210_03.0121.C24.o1.gp	Method	AAT/GAP
Start	362	End	701
GI	uC-osf1M202048e11b1	Score	437
Exons	362..452, 547..701		
GI Descrip.	'2494312/sp|P70541|E2BG_RAT 9.0e-13 TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EXCHANGE FACTOR) >gi_1537015 (U38253) initiation factor eIF-2B gamma subunit [Rattus norvegicus]'		

Seq. No.	8923	Seq. ID	OJ991210_03.0121.C24
Gene No.	19035	Strand	+
Start	362	End	776
Name	OJ991210_03.0121.C24.o1.gs	Method	GENSCAN
Start	372	End	766
GI	none	Score	.95
Exons	372..452, 547..766		

Seq. No.	8924	Seq. ID	OJ991210_03.0121.C25
Gene No.	19036	Strand	+
Start	1	End	619
Name	OJ991210_03.0121.C25.o1.gp	Method	AAT/GAP
Start	1	End	619
GI	342_1.R1084	Score	1024
Exons	1..619		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8924	Seq. ID	OJ991210_03.0121.C25
Gene No.	19036	Strand	+
Start	1	End	619

Name	OJ991210_03.0121.C25.o1.np	Method	AAT/NAP
Start	1	End	619
GI	4680203	Score	567
Exons	1..619		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8924	Seq. ID	OJ991210_03.0121.C25
Gene No.	19036	Strand	+
Start	1	End	619
Name	OJ991210_03.0121.C25.o1.tw	Method	TBLASTX:Wheat
Start	1	End	616
GI	none	Score	290
Exons	1..405, 2..406, 110..421, 429..470, 431..475, 478..573, 482..541, 520..615, 521..616		

Seq. No.	8924	Seq. ID	OJ991210_03.0121.C25
Gene No.	19036	Strand	+
Start	1	End	619
Name	OJ991210_03.0121.C25.o1.gs	Method	GENSCAN
Start	320	End	460
GI	none	Score	.8
Exons	320..460		

Seq. No.	8925	Seq. ID	OJ991210_03.0121.C27
Gene No.	19037	Strand	-
Start	363	End	668
Name	OJ991210_03.0121.C27.o1.np	Method	AAT/NAP
Start	363	End	668
GI	4063770	Score	221
Exons	363..668		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	8926	Seq. ID	OJ991220_02.0127.C1
Gene No.	19038	Strand	+
Start	147	End	868
Name	OJ991220_02.0127.C1.o1.tm	Method	TBLASTX:Maize
Start	144	End	868
GI	none	Score	184
Exons	144..305, 149..265, 202..282, 812..868		

Seq. No.	8926	Seq. ID	OJ991220_02.0127.C1
Gene No.	19038	Strand	+
Start	147	End	868
Name	OJ991220_02.0127.C1.o1.gs	Method	GENSCAN
Start	147	End	868
GI	none	Score	.64
Exons	147..294, 816..868		

Seq. No.	8927	Seq. ID	OJ991220_02.0127.C2
Gene No.	19039	Strand	-
Start	909	End	3229
Name	OJ991220_02.0127.C2.o1.gs	Method	GENSCAN
Start	909	End	3229
GI	none	Score	.8
Exons	909..1049, 1853..2141, 2663..2734, 2818..2995, 3181..3229		

Seq. No.	8927	Seq. ID	OJ991220_02.0127.C2

Gene No.	19040	Strand	-
Start	4605	End	4796
Name	OJ991220_02.0127.C2.o2.gs	Method	GENSCAN
Start	4605	End	4796
GI	none	Score	.55
Exons	4605..4796		

Seq. No.	8927	Seq. ID	OJ991220_02.0127.C2
Gene No.	19041	Strand	-
Start	5565	End	9247
Name	OJ991220_02.0127.C2.o1.tm	Method	TBLASTX:Maize
Start	903	End	3023
GI	none	Score	159
Exons	903..1049, 906..1061, 1853..2143, 1853..2143, 1854..2144, 2660..2734, 2663..2734, 2665..2742, 2667..2747, 2798..2893, 2814..2924, 2816..2890, 2820..2900, 2907..3023, 2910..2996		

Seq. No.	8927	Seq. ID	OJ991220_02.0127.C2
Gene No.	19041	Strand	-
Start	5565	End	9247
Name	OJ991220_02.0127.C2.o1.ts	Method	TBLASTX:Soybean
Start	906	End	2846
GI	none	Score	69
Exons	906..1004, 907..978, 909..1004, 920..1048, 1853..2143, 1854..2072, 1949..2125, 2663..2734, 2665..2742, 2814..2846		

Seq. No.	8927	Seq. ID	OJ991220_02.0127.C2
Gene No.	19041	Strand	-
Start	5565	End	9247
Name	OJ991220_02.0127.C2.o1.np	Method	AAT/NAP
Start	5565	End	9247
GI	4454050	Score	241
Exons	5565..5690, 7340..7676, 8397..8522, 9199..9247		
GI Descrip.	(AL035394) putative protein [Arabidopsis thaliana]		

Seq. No.	8927	Seq. ID	OJ991220_02.0127.C2
Gene No.	19041	Strand	-
Start	5565	End	9247
Name	OJ991220_02.0127.C2.o3.gs	Method	GENSCAN
Start	6992	End	8522
GI	none	Score	.99
Exons	6992..7676, 8397..8522		

Seq. No.	8928	Seq. ID	OJ991220_02.0127.C3
Gene No.	19042	Strand	-
Start	60	End	144
Name	OJ991220_02.0127.C3.o1.gp	Method	AAT/GAP
Start	60	End	144
GI	69953_1.R1084	Score	109
Exons	60..144		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	8928	Seq. ID	OJ991220_02.0127.C3
Gene No.	19043	Strand	-
Start	602	End	966
Name	OJ991220_02.0127.C3.o1.gs	Method	GENSCAN

Start	602	End	966
GI	none	Score	.82
Exons	602..966		

Seq. No.	8929	Seq. ID	OJ991220_02.0127.C5
Gene No.	19044	Strand	+
Start	83	End	584
Name	OJ991220_02.0127.C5.o1.gs	Method	GENSCAN
Start	83	End	584
GI	none	Score	.75
Exons	83..133, 450..584		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19045	Strand	+
Start	5186	End	5749
Name	OJ991220_02.0127.C6.o2.gs	Method	GENSCAN
Start	5186	End	5749
GI	none	Score	.95
Exons	5186..5338, 5429..5596, 5735..5749		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19046	Strand	+
Start	12324	End	12695
Name	OJ991220_02.0127.C6.o1.gp	Method	AAT/GAP
Start	12324	End	12695
GI	LIB3433-054-P1-K1-E2	Score	711
Exons	12324..12695		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19047	Strand	-
Start	2	End	10443
Name	OJ991220_02.0127.C6.o1.np	Method	AAT/NAP
Start	2	End	10220
GI	6721547	Score	1488
Exons	2..1842, 2972..3440, 10142..10220		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19047	Strand	-
Start	2	End	10443
Name	OJ991220_02.0127.C6.o3.gs	Method	GENSCAN
Start	6566	End	10429
GI	none	Score	.41
Exons	6566..6856, 7199..8587, 9482..10429		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19047	Strand	-
Start	2	End	10443
Name	OJ991220_02.0127.C6.o2.np	Method	AAT/NAP
Start	6753	End	10443
GI	4680207	Score	780
Exons	6753..7347, 7402..8468, 9482..9564, 9632..10443		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o1.ts	Method	TBLASTX:Soybean
Start	138	End	13577
GI	none	Score	52
Exons	138..515, 861..1016, 1245..1430, 1311..1421, 1444..1668, 1446..1679, 1650..1853, 1666..1743, 1874..1960, 7406..7561, 7796..7975, 7992..8117, 7994..8227, 8198..8302, 8244..8273, 8339..8512, 11754..12131, 12483..12635, 12864..13046, 13063..13287, 13065..13292, 13269..13373, 13300..13362, 13398..13577		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o1.tc	Method	TBLASTX:Cress
Start	927	End	15126
GI	none	Score	79
Exons	927..1016, 1074..1109, 1200..1259, 1254..1331, 1452..1625, 1668..1760, 1934..2008, 3196..3276, 3283..3357, 6674..6892, 7472..7654, 7802..7897, 8000..8173, 8216..8311, 8435..8479, 8486..8554, 9746..9805, 9815..9886, 11751..12038, 12873..12968, 12892..13053, 13071..13217, 13123..13194, 13230..13277, 13287..13394, 13288..13380, 13500..13544, 13551..13619, 14536..14616, 14815..15126		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o3.tm	Method	TBLASTX:Maize
Start	927	End	12996
GI	none	Score	64
Exons	927..1055, 1065..1175, 1197..1376, 1273..1368, 7472..7600, 7607..7711, 7769..7897, 12546..12674, 12657..12791, 12816..12995, 12892..12996		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o1.tm	Method	TBLASTX:Maize
Start	1413	End	13277
GI	none	Score	113
Exons	1413..1658, 1447..1671, 7958..8200, 7995..8195, 13032..13277, 13066..13242		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o1.tw	Method	TBLASTX:Wheat
Start	1459	End	13377
GI	none	Score	96
Exons	1459..1659, 1461..1661, 1650..1757, 1651..1758, 8007..8201, 8009..8209, 8198..8305, 8244..8300, 13078..13278, 13080..13280, 13269..13376, 13270..13377		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6

Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o2.tm	Method	TBLASTX:Maize
Start	1677	End	13652
GI	none	Score	51
Exons	1677..1748, 1681..1749, 1788..1850, 1854..2003, 1880..2002, 8216..8296, 8339..8401, 8430..8555, 8432..8554, 13287..13466, 13288..13467, 13495..13620, 13497..13619, 13521..13652		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o2.tw	Method	TBLASTX:Wheat
Start	1785	End	13603
GI	none	Score	79
Exons	1785..1871, 1874..1987, 1881..1985, 8336..8539, 8337..8537, 13393..13602, 13398..13601, 13451..13603		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o4.np	Method	AAT/NAP
Start	10455	End	15643
GI	4521190	Score	554
Exons	10455..10487, 12471..13617, 14332..14697, 15605..15643		
GI Descrip.	(AB013448) Pib [Oryza sativa] gi|4521192|dbj|BAA76282.1| (AB013449) Pib [Oryza sativa]		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o3.np	Method	AAT/NAP
Start	10790	End	14722
GI	6721547	Score	1447
Exons	10790..10843, 11661..13458, 14312..14722		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o4.gs	Method	GENSCAN
Start	11643	End	15123
GI	none	Score	.82
Exons	11643..13617, 14312..14493, 14560..15123		

Seq. No.	8930	Seq. ID	OJ991220_02.0127.C6
Gene No.	19048	Strand	-
Start	10455	End	15643
Name	OJ991220_02.0127.C6.o6.np	Method	AAT/NAP
Start	13167	End	15201
GI	6721549	Score	608
Exons	13167..13617, 14312..14515, 14542..15201		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		

Seq. No.	8931	Seq. ID	OJ991220_02.0127.C7
Gene No.	19049	Strand	+

Start	966	End	1260
Name	OJ991220_02.0127.C7.o1.gs	Method	GENSCAN
Start	966	End	1260
GI	none	Score	.4
Exons	966..1260		

Seq. No.	8931	Seq. ID	OJ991220_02.0127.C7
Gene No.	19050	Strand	-
Start	2614	End	5997
Name	OJ991220_02.0127.C7.o1.gp	Method	AAT/GAP
Start	2498	End	3741
GI	uC-osroM202003c12a2	Score	717
Exons	2498..2694, 2794..2872, 2956..3012, 3669..3741		
GI Descrip.	'3702326 3.0e-27 (AC005397) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8931	Seq. ID	OJ991220_02.0127.C7
Gene No.	19050	Strand	-
Start	2614	End	5997
Name	OJ991220_02.0127.C7.o2.gs	Method	GENSCAN
Start	2614	End	5997
GI	none	Score	.81
Exons	2614..2717, 2794..2872, 2956..3012, 3669..3756, 3988..4060, 4382..4451, 5186..5291, 5389..5454, 5537..5636, 5675..5779, 5852..5997		

Seq. No.	8931	Seq. ID	OJ991220_02.0127.C7
Gene No.	19050	Strand	-
Start	2614	End	5997
Name	OJ991220_02.0127.C7.o1.np	Method	AAT/NAP
Start	2731	End	5610
GI	3702326	Score	577
Exons	2731..2872, 2956..3012, 3669..3756, 3988..4060, 4382..4424, 5186..5291, 5389..5454, 5537..5610		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8931	Seq. ID	OJ991220_02.0127.C7
Gene No.	19050	Strand	-
Start	2614	End	5997
Name	OJ991220_02.0127.C7.o1.ts	Method	TBLASTX:Soybean
Start	2774	End	5592
GI	none	Score	91
Exons	2774..2881, 2795..2872, 2796..2882, 2953..3015, 2957..3013, 2968..3015, 3669..3758, 3670..3759, 3964..4059, 3987..4058, 4362..4424, 4378..4443, 4380..4427, 4381..4443, 5183..5290, 5187..5282, 5190..5291, 5388..5453, 5569..5592		

Seq. No.	8931	Seq. ID	OJ991220_02.0127.C7
Gene No.	19050	Strand	-
Start	2614	End	5997
Name	OJ991220_02.0127.C7.o2.tm	Method	TBLASTX:Maize
Start	2790	End	3046
GI	none	Score	138
Exons	2790..2882, 2792..2917, 2792..2908, 2947..3036, 2948..3046, 2948..3046		

Seq. No.	8931	Seq. ID	OJ991220_02.0127.C7

Gene No.	19050	Strand	-
Start	2614	End	5997
Name	OJ991220_02.0127.C7.o1.tc	Method	TBLASTX:Cress
Start	2792	End	4037
GI	none	Score	75
Exons	2792..2881, 2795..2872, 2796..2882, 2953..3015, 2957..3013, 3669..3764, 3670..3747, 3987..4037		

Seq. No.	8931	Seq. ID	OJ991220_02.0127.C7
Gene No.	19050	Strand	-
Start	2614	End	5997
Name	OJ991220_02.0127.C7.o1.tm	Method	TBLASTX:Maize
Start	3666	End	5617
GI	none	Score	58
Exons	3666..3716, 3671..3715, 3708..3758, 3709..3759, 3715..3762, 3987..4058, 3988..4059, 3990..4064, 4362..4427, 4380..4427, 5176..5286, 5177..5290, 5190..5291, 5192..5290, 5200..5292, 5377..5457, 5388..5459, 5432..5455, 5534..5611, 5543..5617		

Seq. No.	8932	Seq. ID	OJ991220_02.0127.C8
Gene No.	19051	Strand	+
Start	1	End	1493
Name	OJ991220_02.0127.C8.o1.np	Method	AAT/NAP
Start	1	End	1426
GI	6692116	Score	131
Exons	1..61, 1124..1426		
GI Descrip.	(AC007764) F22C12.6 [Arabidopsis thaliana]		

Seq. No.	8932	Seq. ID	OJ991220_02.0127.C8
Gene No.	19051	Strand	+
Start	1	End	1493
Name	OJ991220_02.0127.C8.o1.gs	Method	GENSCAN
Start	1232	End	1493
GI	none	Score	.7
Exons	1232..1348, 1437..1493		

Seq. No.	8932	Seq. ID	OJ991220_02.0127.C8
Gene No.	19052	Strand	+
Start	2969	End	3895
Name	OJ991220_02.0127.C8.o1.gp	Method	AAT/GAP
Start	2841	End	3196
GI	none	Score	641
Exons	2841..3196		

Seq. No.	8932	Seq. ID	OJ991220_02.0127.C8
Gene No.	19052	Strand	+
Start	2969	End	3895
Name	OJ991220_02.0127.C8.o2.gs	Method	GENSCAN
Start	2969	End	3895
GI	none	Score	.48
Exons	2969..3895		

Seq. No.	8933	Seq. ID	OJ991220_02.0127.C9
Gene No.	19053	Strand	-
Start	198	End	2024
Name	OJ991220_02.0127.C9.o2.ts	Method	TBLASTX:Soybean
Start	192	End	816

GI	none	Score	129
Exons	192..308, 619..816, 638..814		

Seq. No.	8933	Seq. ID	OJ991220_02.0127.C9
Gene No.	19053	Strand	-
Start	198	End	2024
Name	OJ991220_02.0127.C9.o1.tm	Method	TBLASTX:Maize
Start	193	End	2017
GI	none	Score	150
Exons	193..309, 194..337, 198..308, 619..864, 620..862, 1356..1436, 1368..1436, 1372..1437, 1678..1836, 1679..1837, 1680..1838, 1680..1862, 1681..1839, 1833..1988, 1834..1992, 1838..1987, 1880..2017		

Seq. No.	8933	Seq. ID	OJ991220_02.0127.C9
Gene No.	19053	Strand	-
Start	198	End	2024
Name	OJ991220_02.0127.C9.o1.gs	Method	GENSCAN
Start	198	End	1823
GI	none	Score	.67
Exons	198..307, 621..860, 1371..1434, 1681..1823		

Seq. No.	8933	Seq. ID	OJ991220_02.0127.C9
Gene No.	19053	Strand	-
Start	198	End	2024
Name	OJ991220_02.0127.C9.o1.np	Method	AAT/NAP
Start	201	End	2024
GI	2316016	Score	662
Exons	201..307, 621..860, 1371..1434, 1681..2024		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	8933	Seq. ID	OJ991220_02.0127.C9
Gene No.	19053	Strand	-
Start	198	End	2024
Name	OJ991220_02.0127.C9.o1.tc	Method	TBLASTX:Cress
Start	204	End	1437
GI	none	Score	69
Exons	204..308, 223..309, 619..864, 620..862, 792..863, 1372..1437, 1373..1435		

Seq. No.	8933	Seq. ID	OJ991220_02.0127.C9
Gene No.	19053	Strand	-
Start	198	End	2024
Name	OJ991220_02.0127.C9.o1.tw	Method	TBLASTX:Wheat
Start	685	End	1836
GI	none	Score	114
Exons	685..861, 689..862, 1681..1836, 1712..1834		

Seq. No.	8933	Seq. ID	OJ991220_02.0127.C9
Gene No.	19053	Strand	-
Start	198	End	2024
Name	OJ991220_02.0127.C9.o1.ts	Method	TBLASTX:Soybean
Start	817	End	1989
GI	none	Score	71
Exons	817..861, 1375..1437, 1376..1435, 1678..1836, 1679..1837, 1833..1988, 1833..1988, 1906..1989		

Seq. No.	8933	Seq. ID	OJ991220_02.0127.C9
Gene No.	19053	Strand	-
Start	198	End	2024
Name	OJ991220_02.0127.C9.o2.tc	Method	TBLASTX:Cress
Start	1681	End	1988
GI	none	Score	89
Exons	1681..1836, 1682..1837, 1833..1988, 1833..1988		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19054	Strand	+
Start	9275	End	14265
Name	OJ991220_02.0127.C10.o3.gs	Method	GENSCAN
Start	9275	End	14265
GI	none	Score	.59
Exons	9275..9297, 10502..10666, 11336..11474, 12303..12473, 14188..14265		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19055	Strand	+
Start	24796	End	32499
Name	OJ991220_02.0127.C10.o4.np	Method	AAT/NAP
Start	24414	End	25916
GI	6006367	Score	41
Exons	24414..24553, 25861..25916		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19055	Strand	+
Start	24796	End	32499
Name	OJ991220_02.0127.C10.o5.gs	Method	GENSCAN
Start	24796	End	32499
GI	none	Score	.57
Exons	24796..24853, 25235..25349, 25581..25648, 27607..27770, 28754..29071, 29132..29432, 30692..30777, 30908..31131, 31205..31265, 31928..32122, 32275..32499		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19056	Strand	+
Start	35545	End	40317
Name	OJ991220_02.0127.C10.o3.gp	Method	AAT/GAP
Start	35540	End	36042
GI	5003741	Score	759
Exons	35540..35766, 35851..36042		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19056	Strand	+
Start	35545	End	40317
Name	OJ991220_02.0127.C10.o7.gs	Method	GENSCAN
Start	35545	End	39281
GI	none	Score	.67
Exons	35545..35648, 35757..36154, 36995..37080, 37152..37441, 37519..37579, 38067..38162, 38742..38897, 39105..39281		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19056	Strand	+
Start	35545	End	40317
Name	OJ991220_02.0127.C10.o6.np	Method	AAT/NAP

Start	35577	End	37594
GI	5295966	Score	487
Exons	35577..35766, 35851..36154, 36995..37084, 37222..37441, 37519..37594		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19056	Strand	+
Start	35545	End	40317
Name	OJ991220_02.0127.C10.o7.np	Method	AAT/NAP
Start	35596	End	38676
GI	2129844	Score	334
Exons	35596..35766, 35851..36154, 36995..37080, 37218..37441, 38625..38676		
GI Descrip.	stress-induced protein sti1 - soybean		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19056	Strand	+
Start	35545	End	40317
Name	OJ991220_02.0127.C10.o8.np	Method	AAT/NAP
Start	36089	End	40317
GI	6522560	Score	137
Exons	36089..36151, 39083..39270, 40278..40317		
GI Descrip.	(AL132967) putative protein [Arabidopsis thaliana]		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19056	Strand	+
Start	35545	End	40317
Name	OJ991220_02.0127.C10.o4.gp	Method	AAT/GAP
Start	38135	End	39525
GI	98709_1.R1084	Score	1134
Exons	38135..38162, 38742..38897, 39105..39525		
GI Descrip.	'3386603 1.0e-17 (AC004665) unknown protein [Arabidopsis thaliana]'		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19057	Strand	-
Start	1	End	4235
Name	OJ991220_02.0127.C10.o1.np	Method	AAT/NAP
Start	1	End	1877
GI	3142303	Score	830
Exons	1..60, 512..1877		
GI Descrip.	(AC002411) Strong similarity to MRP-like ABC transporter gb|U92650 from A. thaliana and canalicular multi-drug resistance protein gb|L49379 from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19057	Strand	-
Start	1	End	4235
Name	OJ991220_02.0127.C10.o1.gs	Method	GENSCAN
Start	516	End	4235
GI	none	Score	.47
Exons	516..1402, 1438..2070, 2441..2550, 3581..3620, 3693..3878, 4157..4235		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10

Gene No.	19058	Strand	-
Start	15779	End	23298
Name	OJ991220_02.0127.C10.o4.gs	Method	GENSCAN
Start	15779	End	22596
GI	none	Score	.41
Exons	15779..16005, 16401..17043, 18121..18279, 18509..18843, 19232..19302, 19842..20541, 20634..20758, 21444..21622, 22034..22171, 22525..22596		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19058	Strand	-
Start	15779	End	23298
Name	OJ991220_02.0127.C10.o1.gp	Method	AAT/GAP
Start	18665	End	18726
GI	4878407	Score	88
Exons	18665..18726		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19058	Strand	-
Start	15779	End	23298
Name	OJ991220_02.0127.C10.o2.np	Method	AAT/NAP
Start	19678	End	22237
GI	5295955	Score	680
Exons	19678..20615, 20644..20763, 21444..21558, 22102..22237		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19058	Strand	-
Start	15779	End	23298
Name	OJ991220_02.0127.C10.o3.np	Method	AAT/NAP
Start	21725	End	23298
GI	4680186	Score	220
Exons	21725..21759, 23135..23298		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19059	Strand	-
Start	33821	End	34239
Name	OJ991220_02.0127.C10.o2.gp	Method	AAT/GAP
Start	33636	End	34239
GI	267_2+R1084	Score	1086
Exons	33636..34239		
GI Descrip.	'2116601/dbj|BAA20144| 4.0e-47 (AB003784) Histone H3 [Drosophila simulans]'		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19059	Strand	-
Start	33821	End	34239
Name	OJ991220_02.0127.C10.o6.gs	Method	GENSCAN
Start	33821	End	34231
GI	none	Score	1
Exons	33821..34231		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10

Gene No.	19059	Strand	-
Start	33821	End	34239
Name	OJ991220_02.0127.C10.o5.np	Method	AAT/NAP
Start	33824	End	34231
GI	122085	Score	673
Exons	33824..34231		
GI Descrip.	HISTONE H3 gi|81641|pir||S06250 histone H3 - Arabidopsis thaliana gi|82482|pir||S04099 histone H3 (variant H3R-21) - rice gi|1362194|pir||S57626 histone H3 - maize gi|20251|emb|CAA31969| (X13678) histone H3 (AA 1-136) [Oryza sativa] gi|20253|emb|CAA31970| (X13680) histone H3 (AA 1-136) [Oryza sativa] gi|168493 (M36658) histone H3 (H3C3) [Zea mays] gi|168495 (M13378) h		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o1.tc	Method	TBLASTX:Cress
Start	510	End	1874
GI	none	Score	89
Exons	510..638, 511..609, 513..671, 738..1436, 765..959, 991..1440, 1442..1873, 1452..1544, 1743..1874		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o3.tm	Method	TBLASTX:Maize
Start	513	End	858
GI	none	Score	404
Exons	513..854, 517..858		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o4.ts	Method	TBLASTX:Soybean
Start	564	End	827
GI	none	Score	121
Exons	564..692, 565..672, 738..827, 739..825		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o2.ts	Method	TBLASTX:Soybean
Start	921	End	1320
GI	none	Score	368
Exons	921..1319, 922..1320		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o1.tm	Method	TBLASTX:Maize
Start	994	End	1423
GI	none	Score	547
Exons	994..1419, 996..1421, 1046..1423		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-

Start	39854	End	40292
Name	OJ991220_02.0127.C10.o3.ts	Method	TBLASTX:Soybean
Start	1353	End	1777
GI	none	Score	72
Exons	1353..1451, 1354..1434, 1445..1777, 1446..1775		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o4.tm	Method	TBLASTX:Maize
Start	28883	End	37439
GI	none	Score	62
Exons	28883..29065, 29150..29203, 29152..29331, 30690..30794, 30691..30780, 30911..31138, 30933..31133, 31203..31265, 36993..37088, 36994..37083, 37221..37439		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o6.ts	Method	TBLASTX:Soybean
Start	28943	End	37439
GI	none	Score	60
Exons	28943..29065, 29150..29203, 30691..30765, 30911..31138, 30917..31126, 31203..31265, 36994..37080, 37221..37439, 37275..37433		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o4.tc	Method	TBLASTX:Cress
Start	30911	End	37439
GI	none	Score	198
Exons	30911..31138, 30914..31093, 37221..37439		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o5.ts	Method	TBLASTX:Soybean
Start	32268	End	39311
GI	none	Score	228
Exons	32268..32438, 32269..32451, 32277..32453, 39090..39284, 39098..39310, 39099..39311		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o3.tc	Method	TBLASTX:Cress
Start	32289	End	39284
GI	none	Score	206
Exons	32289..32450, 32290..32493, 39119..39271, 39120..39284, 39126..39284		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o1.ts	Method	TBLASTX:Soybean
Start	33851	End	40246

GI	none	Score	139
Exons	33851..34114, 33851..34231, 33858..34223, 39848..40210, 39855..40220, 40083..40220, 40220..40246		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o2.tc	Method	TBLASTX:Cress
Start	33851	End	40292
GI	none	Score	382
Exons	33851..34231, 33855..34223, 39848..40210, 39855..40292, 40086..40220, 40219..40245		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o2.tm	Method	TBLASTX:Maize
Start	33851	End	40251
GI	none	Score	141
Exons	33851..34000, 33851..34231, 33855..34223, 34135..34233, 39851..40210, 39852..40220, 40083..40220, 40129..40251, 40220..40246, 40221..40247		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o1.tw	Method	TBLASTX:Wheat
Start	33851	End	40246
GI	none	Score	226
Exons	33851..34114, 33851..34231, 33855..34223, 34201..34257, 39845..40210, 39854..40213, 39855..40220, 40020..40220, 40220..40246		

Seq. No.	8934	Seq. ID	OJ991220_02.0127.C10
Gene No.	19060	Strand	-
Start	39854	End	40292
Name	OJ991220_02.0127.C10.o9.np	Method	AAT/NAP
Start	39854	End	40251
GI	122085	Score	585
Exons	39854..40251		
GI Descrip.	HISTONE H3 gi|81641|pir||S06250 histone H3 - Arabidopsis thaliana gi|82482|pir||S04099 histone H3 (variant H3R-21) - rice gi|1362194|pir||S57626 histone H3 - maize gi|20251|emb|CAA31969| (X13678) histone H3 (AA 1-136) [Oryza sativa] gi|20253|emb|CAA31970| (X13680) histone H3 (AA 1-136) [Oryza sativa] gi|168493 (M36658) histone H3 (H3C3) [Zea mays] gi|168495 (M13378) h		

Seq. No.	8935	Seq. ID	OJ991220_02.0127.C11
Gene No.	19061	Strand	+
Start	2293	End	7057
Name	OJ991220_02.0127.C11.o2.gs	Method	GENSCAN
Start	2293	End	7055
GI	none	Score	.82
Exons	2293..2548, 2850..3057, 3773..4074, 4198..4394, 4732..4984, 5790..5847, 5921..5972, 6468..6545, 6879..7055		

Seq. No.	8935	Seq. ID	OJ991220_02.0127.C11
Gene No.	19061	Strand	+
Start	2293	End	7057
Name	OJ991220_02.0127.C11.o2.np	Method	AAT/NAP
Start	4200	End	6901
GI	5295938	Score	764
Exons	4200..4394, 4726..4984, 6879..6901		
GI Descrip.	(AB026295) EST C73147(E2988) corresponds to a region of the predicted gene.; Similar to Glycin max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	8935	Seq. ID	OJ991220_02.0127.C11
Gene No.	19061	Strand	+
Start	2293	End	7057
Name	OJ991220_02.0127.C11.o1.gp	Method	AAT/GAP
Start	6891	End	7057
GI	75279_1.R1084	Score	313
Exons	6891..7057		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	8935	Seq. ID	OJ991220_02.0127.C11
Gene No.	19062	Strand	-
Start	1414	End	2631
Name	OJ991220_02.0127.C11.o1.gs	Method	GENSCAN
Start	1414	End	2053
GI	none	Score	.91
Exons	1414..1629, 1727..2053		

Seq. No.	8935	Seq. ID	OJ991220_02.0127.C11
Gene No.	19062	Strand	-
Start	1414	End	2631
Name	OJ991220_02.0127.C11.o1.np	Method	AAT/NAP
Start	1417	End	2631
GI	5295937	Score	1457
Exons	1417..2013, 2383..2631		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	8935	Seq. ID	OJ991220_02.0127.C11
Gene No.	19062	Strand	-
Start	1414	End	2631
Name	OJ991220_02.0127.C11.o1.ts	Method	TBLASTX:Soybean
Start	1915	End	2547
GI	none	Score	143
Exons	1915..2001, 2353..2547, 2375..2506		

Seq. No.	8936	Seq. ID	OJ990530_37.0126.C2
Gene No.	19063	Strand	-
Start	28	End	388
Name	OJ990530_37.0126.C2.o1.gs	Method	GENSCAN
Start	28	End	388
GI	none	Score	.59
Exons	28..163, 315..388		

Seq. No.	8937	Seq. ID	OJ990530_37.0126.C4
Gene No.	19064	Strand	+
Start	515	End	660

Name	OJ990530_37.0126.C4.o1.gs	Method	GENSCAN
Start	515	End	660
GI	none	Score	.94
Exons	515..660		

Seq. No.	8938	Seq. ID	OJ990530_37.0126.C6
Gene No.	19065	Strand	+
Start	1	End	569
Name	OJ990530_37.0126.C6.o1.np	Method	AAT/NAP
Start	1	End	569
GI	6498441	Score	441
Exons	1..178, 272..569		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8938	Seq. ID	OJ990530_37.0126.C6
Gene No.	19065	Strand	+
Start	1	End	569
Name	OJ990530_37.0126.C6.o1.gs	Method	GENSCAN
Start	395	End	546
GI	none	Score	.96
Exons	395..546		

Seq. No.	8939	Seq. ID	OJ990530_37.0126.C7
Gene No.	19066	Strand	+
Start	1	End	601
Name	OJ990530_37.0126.C7.o1.np	Method	AAT/NAP
Start	1	End	601
GI	3367515	Score	299
Exons	1..40, 351..601		
GI Descrip.	(AC004392) Similar to glucose-6-phosphate/phosphate-translocator (GPT) gb|AF020814 from Pisum sativum. [Arabidopsis thaliana]		

Seq. No.	8939	Seq. ID	OJ990530_37.0126.C7
Gene No.	19066	Strand	+
Start	1	End	601
Name	OJ990530_37.0126.C7.o1.tm	Method	TBLASTX:Maize
Start	329	End	569
GI	none	Score	299
Exons	329..421, 343..564, 351..560, 479..565, 513..569		

Seq. No.	8939	Seq. ID	OJ990530_37.0126.C7
Gene No.	19066	Strand	+
Start	1	End	601
Name	OJ990530_37.0126.C7.o1.ts	Method	TBLASTX:Soybean
Start	342	End	565
GI	none	Score	296
Exons	342..551, 343..564, 479..565		

Seq. No.	8939	Seq. ID	OJ990530_37.0126.C7
Gene No.	19066	Strand	+
Start	1	End	601
Name	OJ990530_37.0126.C7.o1.tc	Method	TBLASTX:Cress
Start	343	End	564
GI	none	Score	212
Exons	343..564, 369..563		

Seq. No.	8939	Seq. ID	OJ990530_37.0126.C7
Gene No.	19066	Strand	+
Start	1	End	601
Name	OJ990530_37.0126.C7.o1.gp	Method	AAT/GAP
Start	351	End	601
GI	2214_1.R1084	Score	384
Exons	351..601		
GI Descrip.	'2997591 1.0e-68 (AF020814) glucose-6-phosphate/phosphate-translocator precursor [Pisum sativum]'		

Seq. No.	8939	Seq. ID	OJ990530_37.0126.C7
Gene No.	19066	Strand	+
Start	1	End	601
Name	OJ990530_37.0126.C7.o1.gs	Method	GENSCAN
Start	351	End	564
GI	none	Score	.95
Exons	351..564		

Seq. No.	8940	Seq. ID	OJ990530_37.0126.C9
Gene No.	19067	Strand	+
Start	68	End	279
Name	OJ990530_37.0126.C9.o1.ts	Method	TBLASTX:Soybean
Start	61	End	251
GI	none	Score	319
Exons	61..249, 71..250, 123..251		

Seq. No.	8940	Seq. ID	OJ990530_37.0126.C9
Gene No.	19067	Strand	+
Start	68	End	279
Name	OJ990530_37.0126.C9.o1.np	Method	AAT/NAP
Start	68	End	279
GI	2500380	Score	303
Exons	68..279		
GI Descrip.	60S RIBOSOMAL PROTEIN L44 gi|2119128|pir||JC4923 ribosomal protein RL44 - upland cotton gi|1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] gi|1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]		

Seq. No.	8940	Seq. ID	OJ990530_37.0126.C9
Gene No.	19067	Strand	+
Start	68	End	279
Name	OJ990530_37.0126.C9.o1.tc	Method	TBLASTX:Cress
Start	70	End	251
GI	none	Score	320
Exons	70..249, 71..250, 135..251		

Seq. No.	8940	Seq. ID	OJ990530_37.0126.C9
Gene No.	19067	Strand	+
Start	68	End	279
Name	OJ990530_37.0126.C9.o1.tw	Method	TBLASTX:Wheat
Start	70	End	251
GI	none	Score	326
Exons	70..249, 71..250, 123..251		

Seq. No.	8940	Seq. ID	OJ990530_37.0126.C9

Gene No.	19067	Strand	+
Start	68	End	279
Name	OJ990530_37.0126.C9.o1.tm	Method	TBLASTX:Maize
Start	70	End	254
GI	none	Score	329
Exons	70..249, 71..250, 123..254		

Seq. No.	8940	Seq. ID	OJ990530_37.0126.C9
Gene No.	19067	Strand	+
Start	68	End	279
Name	OJ990530_37.0126.C9.o1.gp	Method	AAT/GAP
Start	71	End	279
GI	381_1.R1084	Score	329
Exons	71..279		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	8940	Seq. ID	OJ990530_37.0126.C9
Gene No.	19067	Strand	+
Start	68	End	279
Name	OJ990530_37.0126.C9.o1.gs	Method	GENSCAN
Start	71	End	250
GI	none	Score	.96
Exons	71..250		

Seq. No.	8941	Seq. ID	OJ990530_37.0126.C13
Gene No.	19068	Strand	-
Start	435	End	587
Name	OJ990530_37.0126.C13.o1.gs	Method	GENSCAN
Start	435	End	587
GI	none	Score	.47
Exons	435..587		

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o1.gs	Method	GENSCAN
Start	65	End	2009
GI	none	Score	.81
Exons	65..115, 195..326, 1083..1262, 1450..1524, 1920..2009		

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o1.ts	Method	TBLASTX:Soybean
Start	1076	End	1682
GI	none	Score	319
Exons	1076..1261, 1083..1262, 1135..1263, 1447..1536, 1449..1523, 1599..1682, 1622..1681		

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o1.np	Method	AAT/NAP

Start	1080	End	1679
GI	2500380	Score	483
Exons	1080..1262, 1450..1524, 1623..1679		
GI Descrip.	60S RIBOSOMAL PROTEIN L44 gi|2119128|pir||JC4923 ribosomal protein RL44 - upland cotton gi|1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] gi|1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]		

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o1.tc	Method	TBLASTX:Cress
Start	1082	End	1689
GI	none	Score	320
Exons	1082..1261, 1083..1262, 1126..1263, 1447..1536, 1449..1523, 1599..1685, 1621..1689, 1622..1681		

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o1.tm	Method	TBLASTX:Maize
Start	1082	End	1684
GI	none	Score	329
Exons	1082..1261, 1083..1262, 1126..1263, 1135..1266, 1447..1536, 1449..1523, 1599..1682, 1621..1680, 1622..1684, 1622..1681		

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o1.tw	Method	TBLASTX:Wheat
Start	1082	End	1695
GI	none	Score	326
Exons	1082..1261, 1083..1262, 1126..1263, 1135..1263, 1447..1536, 1449..1523, 1599..1682, 1621..1695, 1622..1681		

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o1.gp	Method	AAT/GAP
Start	1083	End	1707
GI	381_1.R1084	Score	588
Exons	1083..1262, 1450..1524, 1623..1707		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o2.gp	Method	AAT/GAP
Start	1152	End	1894
GI	381_1.R1084	Score	812
Exons	1152..1262, 1450..1524, 1623..1894		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton		

>gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'

Seq. No.	8942	Seq. ID	OJ990530_37.0126.C14
Gene No.	19069	Strand	+
Start	65	End	2009
Name	OJ990530_37.0126.C14.o3.gp	Method	AAT/GAP
Start	1450	End	1933
GI	381_1.R1084	Score	653
Exons	1450..1524, 1623..1933		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	8943	Seq. ID	OJ990530_37.0126.C16
Gene No.	19070	Strand	-
Start	1	End	213
Name	OJ990530_37.0126.C16.o1.np	Method	AAT/NAP
Start	1	End	189
GI	6742729	Score	322
Exons	1..189		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	8943	Seq. ID	OJ990530_37.0126.C16
Gene No.	19070	Strand	-
Start	1	End	213
Name	OJ990530_37.0126.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	213
GI	none	Score	92
Exons	1..213, 4..192		

Seq. No.	8944	Seq. ID	OJ990530_37.0126.C17
Gene No.	19071	Strand	-
Start	1	End	246
Name	OJ990530_37.0126.C17.o1.np	Method	AAT/NAP
Start	1	End	246
GI	2997589	Score	236
Exons	1..246		
GI Descrip.	(AF020813) glucose-6-phosphate/phosphate-translocator precursor [Zea mays]		

Seq. No.	8944	Seq. ID	OJ990530_37.0126.C17
Gene No.	19071	Strand	-
Start	1	End	246
Name	OJ990530_37.0126.C17.o1.tc	Method	TBLASTX:Cress
Start	53	End	246
GI	none	Score	226
Exons	53..244, 55..246		

Seq. No.	8944	Seq. ID	OJ990530_37.0126.C17
Gene No.	19071	Strand	-
Start	1	End	246
Name	OJ990530_37.0126.C17.o1.tm	Method	TBLASTX:Maize
Start	53	End	246

GI	none	Score	198
Exons	53..244, 55..246		

Seq. No.	8944	Seq. ID	OJ990530_37.0126.C17
Gene No.	19071	Strand	-
Start	1	End	246
Name	OJ990530_37.0126.C17.o1.tw	Method	TBLASTX:Wheat
Start	53	End	246
GI	none	Score	260
Exons	53..244, 55..246, 55..246		

Seq. No.	8944	Seq. ID	OJ990530_37.0126.C17
Gene No.	19071	Strand	-
Start	1	End	246
Name	OJ990530_37.0126.C17.o1.ts	Method	TBLASTX:Soybean
Start	55	End	246
GI	none	Score	86
Exons	55..243, 55..246, 56..244		

Seq. No.	8944	Seq. ID	OJ990530_37.0126.C17
Gene No.	19071	Strand	-
Start	1	End	246
Name	OJ990530_37.0126.C17.o1.gs	Method	GENSCAN
Start	57	End	163
GI	none	Score	.82
Exons	57..163		

Seq. No.	8945	Seq. ID	OJ990530_37.0126.C19
Gene No.	19072	Strand	+
Start	407	End	742
Name	OJ990530_37.0126.C19.o1.np	Method	AAT/NAP
Start	407	End	742
GI	480314	Score	68
Exons	407..637, 683..742		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi|397567|emb|CAA81057| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	8945	Seq. ID	OJ990530_37.0126.C19
Gene No.	19073	Strand	-
Start	377	End	623
Name	OJ990530_37.0126.C19.o1.gs	Method	GENSCAN
Start	377	End	623
GI	none	Score	.53
Exons	377..623		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19074	Strand	+
Start	1	End	10093
Name	OJ990530_37.0126.C20.o1.gp	Method	AAT/GAP
Start	1	End	1980
GI	2131_1.R1084	Score	2163
Exons	1..347, 1209..1980		
GI Descrip.	'417745/sp|P32112|SAHH_WHEAT 0.0e+00 ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) >gi_170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum		

aestivum]'

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19074	Strand	+
Start	1	End	10093
Name	OJ990530_37.0126.C20.o2.np	Method	AAT/NAP
Start	1	End	10093
GI	5922620	Score	122
Exons	1..69, 9992..10093		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19075	Strand	+
Start	15851	End	16528
Name	OJ990530_37.0126.C20.o2.gp	Method	AAT/GAP
Start	15780	End	16326
GI	25688_1.R1084	Score	1028
Exons	15780..16326		
GI Descrip.	'2244749/emb|CAB10172.1| 1.0e-62 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19075	Strand	+
Start	15851	End	16528
Name	OJ990530_37.0126.C20.o4.gs	Method	GENSCAN
Start	15851	End	16528
GI	none	Score	.81
Exons	15851..16528		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19075	Strand	+
Start	15851	End	16528
Name	OJ990530_37.0126.C20.o4.np	Method	AAT/NAP
Start	15851	End	16528
GI	2244749	Score	994
Exons	15851..16528		
GI Descrip.	(Z97335) hydroxymethyltransferase [Arabidopsis thaliana]		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19076	Strand	-
Start	1	End	7852
Name	OJ990530_37.0126.C20.o1.np	Method	AAT/NAP
Start	1	End	1918
GI	417745	Score	1717
Exons	1..345, 1207..1918		
GI Descrip.	ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) gi|170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19076	Strand	-
Start	1	End	7852
Name	OJ990530_37.0126.C20.o1.gs	Method	GENSCAN

Start	12	End	7852
GI	none	Score	.68
Exons	12..345, 1207..1767, 1874..1953, 4091..4206, 5547..5670, 7765..7852		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o1.tc	Method	TBLASTX:Cress
Start	1	End	1936
GI	none	Score	355
Exons	1..348, 1..360, 34..135, 287..397, 1207..1866, 1208..1468, 1520..1813, 1868..1936, 1872..1907		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o2.tm	Method	TBLASTX:Maize
Start	1	End	2248
GI	none	Score	434
Exons	1..348, 1..360, 287..367, 1207..1866, 1208..1813, 1868..1912, 1874..1966, 2159..2248		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1912
GI	none	Score	383
Exons	1..348, 1..360, 287..367, 1207..1866, 1208..1813, 1868..1912, 1872..1907		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o3.tw	Method	TBLASTX:Wheat
Start	1	End	180
GI	none	Score	240
Exons	1..177, 1..180, 2..178		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o2.tw	Method	TBLASTX:Wheat
Start	185	End	1402
GI	none	Score	48
Exons	185..214, 187..360, 207..347, 287..367, 1207..1401, 1208..1402		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o2.gs	Method	GENSCAN
Start	9172	End	12357
GI	none	Score	.74
Exons	9172..9434, 9670..9735, 10178..10250, 12310..12357		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20

Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o3.np	Method	AAT/NAP
Start	10232	End	16007
GI	6630699	Score	98
Exons	10232..10309, 15751..16007		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o1.tm	Method	TBLASTX:Maize
Start	15851	End	16531
GI	none	Score	1076
Exons	15851..16528, 15946..16242, 16220..16531		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o3.tc	Method	TBLASTX:Cress
Start	15851	End	16015
GI	none	Score	202
Exons	15851..16015, 15946..16011		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o2.ts	Method	TBLASTX:Soybean
Start	15851	End	16536
GI	none	Score	974
Exons	15851..16528, 15946..16074, 16135..16242, 16220..16342, 16285..16416, 16385..16531, 16486..16536		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o1.tw	Method	TBLASTX:Wheat
Start	15946	End	16384
GI	none	Score	494
Exons	15946..16242, 15947..16384, 16220..16333		

Seq. No.	8946	Seq. ID	OJ990530_37.0126.C20
Gene No.	19077	Strand	-
Start	9172	End	16536
Name	OJ990530_37.0126.C20.o2.tc	Method	TBLASTX:Cress
Start	16016	End	16531
GI	none	Score	767
Exons	16016..16528, 16021..16242, 16220..16531		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19078	Strand	+
Start	710	End	3033
Name	OJ990530_37.0126.C21.o1.gs	Method	GENSCAN
Start	710	End	3033
GI	none	Score	.72

Exons	710..1100, 1194..1295, 1563..1738, 2234..2275, 2511..2638, 2922..3033		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19078	Strand	+
Start	710	End	3033
Name	OJ990530_37.0126.C21.o1.np	Method	AAT/NAP
Start	710	End	1804
GI	2244749	Score	1036
Exons	710..1100, 1194..1295, 1563..1804		
GI Descrip.	(Z97335) hydroxymethyltransferase [Arabidopsis thaliana]		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19078	Strand	+
Start	710	End	3033
Name	OJ990530_37.0126.C21.o1.gp	Method	AAT/GAP
Start	735	End	2120
GI	82_3.R1084	Score	1988
Exons	735..1100, 1194..1295, 1563..2120		
GI Descrip.	'2244749/emb|CAB10172.1| 5.0e-61 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19079	Strand	+
Start	13169	End	15553
Name	OJ990530_37.0126.C21.o4.gs	Method	GENSCAN
Start	13169	End	15553
GI	none	Score	.93
Exons	13169..13199, 13963..14030, 15332..15553		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19079	Strand	+
Start	13169	End	15553
Name	OJ990530_37.0126.C21.o4.gp	Method	AAT/GAP
Start	14821	End	14985
GI	533_1.R1084	Score	170
Exons	14821..14909, 14932..14985		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19080	Strand	-
Start	3758	End	8045
Name	OJ990530_37.0126.C21.o2.gs	Method	GENSCAN
Start	3758	End	7901
GI	none	Score	.53
Exons	3758..4125, 4364..4487, 4589..4723, 5610..5956, 6118..6326, 6474..6542, 7609..7901		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19080	Strand	-
Start	3758	End	8045
Name	OJ990530_37.0126.C21.o2.np	Method	AAT/NAP
Start	3862	End	4152
GI	6539588	Score	189

Exons	3862..4152		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19080	Strand	-
Start	3758	End	8045
Name	OJ990530_37.0126.C21.o2.gp	Method	AAT/GAP
Start	7075	End	8045
GI	31424_1.R1084	Score	1903
Exons	7075..8045		
GI Descrip.	'6016877/dbj|BAA85220.1| 5.0e-11 (AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19081	Strand	-
Start	9538	End	17807
Name	OJ990530_37.0126.C21.o3.gp	Method	AAT/GAP
Start	9341	End	9576
GI	5004456	Score	435
Exons	9341..9576		
GI Descrip.	2352023/gb|U93713| 6.0e-12 Cloning vector pRS400 with kanMX4 marker, complete sequence		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19081	Strand	-
Start	9538	End	17807
Name	OJ990530_37.0126.C21.o3.np	Method	AAT/NAP
Start	9505	End	17807
GI	6041833	Score	557
Exons	9505..9886, 9936..10324, 11058..11332, 17727..17807		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi|6642634|gb|AAF20215.1|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19081	Strand	-
Start	9538	End	17807
Name	OJ990530_37.0126.C21.o3.gs	Method	GENSCAN
Start	9538	End	12205
GI	none	Score	.98
Exons	9538..10324, 11058..11332, 12101..12205		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19081	Strand	-
Start	9538	End	17807
Name	OJ990530_37.0126.C21.o5.gs	Method	GENSCAN
Start	16665	End	17042
GI	none	Score	.79
Exons	16665..16679, 16857..17042		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19081	Strand	-
Start	9538	End	17807
Name	OJ990530_37.0126.C21.o5.gp	Method	AAT/GAP
Start	16868	End	17182
GI	none	Score	607

Exons	16868..17182		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o1.ts	Method	TBLASTX:Soybean
Start	707	End	1807
GI	none	Score	549
Exons	707..1099, 710..1102, 832..1101, 1192..1299, 1193..1297, 1549..1803, 1562..1807		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o1.tm	Method	TBLASTX:Maize
Start	708	End	1807
GI	none	Score	128
Exons	708..803, 708..1103, 710..1102, 942..1109, 1181..1294, 1192..1299, 1193..1297, 1549..1749, 1549..1806, 1562..1807		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o1.tc	Method	TBLASTX:Cress
Start	719	End	1666
GI	none	Score	124
Exons	719..802, 721..795, 842..946, 845..1102, 856..954, 1015..1101, 1189..1296, 1193..1297, 1561..1665, 1562..1666		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o1.tw	Method	TBLASTX:Wheat
Start	848	End	1276
GI	none	Score	293
Exons	848..1102, 859..957, 1033..1101, 1181..1276		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o2.tm	Method	TBLASTX:Maize
Start	7588	End	7802
GI	none	Score	144
Exons	7588..7716, 7591..7704, 7602..7751, 7758..7802		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o3.tc	Method	TBLASTX:Cress
Start	9520	End	10026
GI	none	Score	68
Exons	9520..9669, 9676..9801, 9701..9808, 9946..10026		
Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o4.tm	Method	TBLASTX:Maize

Start	9629	End	9892
GI	none	Score	110
Exons	9629..9748, 9629..9751, 9631..9783, 9749..9892, 9752..9892		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o2.ts	Method	TBLASTX:Soybean
Start	9958	End	10371
GI	none	Score	154
Exons	9958..10059, 10097..10363, 10099..10326, 10111..10371		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o2.tc	Method	TBLASTX:Cress
Start	10108	End	11332
GI	none	Score	67
Exons	10108..10335, 11027..11332, 11064..11243		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o3.tm	Method	TBLASTX:Maize
Start	11151	End	11345
GI	none	Score	225
Exons	11151..11336, 11153..11335, 11154..11345		

Seq. No.	8947	Seq. ID	OJ990530_37.0126.C21
Gene No.	19082	Strand	-
Start	20325	End	21659
Name	OJ990530_37.0126.C21.o6.gs	Method	GENSCAN
Start	20325	End	21659
GI	none	Score	.65
Exons	20325..20441, 21222..21344, 21481..21591, 21621..21659		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19083	Strand	+
Start	1	End	2488
Name	OJ990530_37.0126.C22.o1.gp	Method	AAT/GAP
Start	1	End	62
GI	4908_1.R1084	Score	95
Exons	1..62		
GI Descrip.	'3068809 1.0e-40 (AF059295) Skp1 homolog [Arabidopsis thaliana]'		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19083	Strand	+
Start	1	End	2488
Name	OJ990530_37.0126.C22.o1.np	Method	AAT/NAP
Start	1	End	2241
GI	2759997	Score	359
Exons	1..62, 2071..2241		
GI Descrip.	(AJ003134) fimbriata-associated protein [Citrus sinensis]		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19083	Strand	+
Start	1	End	2488

Name	OJ990530_37.0126.C22.o1.gs	Method	GENSCAN
Start	2071	End	2244
GI	none	Score	.97
Exons	2071..2244		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19083	Strand	+
Start	1	End	2488
Name	OJ990530_37.0126.C22.o3.gp	Method	AAT/GAP
Start	2071	End	2488
GI	80900_1.R1084	Score	774
Exons	2071..2488		
GI Descrip.	'3068809 1.0e-11 (AF059295) Skp1 homolog [Arabidopsis thaliana]'		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19084	Strand	-
Start	283	End	548
Name	OJ990530_37.0126.C22.o2.gp	Method	AAT/GAP
Start	283	End	548
GI	2431225	Score	512
Exons	283..548		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19085	Strand	-
Start	4773	End	7331
Name	OJ990530_37.0126.C22.o1.tm	Method	TBLASTX:Maize
Start	2	End	2363
GI	none	Score	93
Exons	2..70, 3..53, 2070..2234, 2070..2243, 2071..2244, 2077..2244, 2304..2363		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19085	Strand	-
Start	4773	End	7331
Name	OJ990530_37.0126.C22.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2244
GI	none	Score	85
Exons	2..70, 3..53, 2067..2243, 2070..2243, 2071..2244		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19085	Strand	-
Start	4773	End	7331
Name	OJ990530_37.0126.C22.o1.tc	Method	TBLASTX:Cress
Start	3	End	2247
GI	none	Score	75
Exons	3..53, 2070..2243, 2071..2247		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19085	Strand	-
Start	4773	End	7331
Name	OJ990530_37.0126.C22.o1.tw	Method	TBLASTX:Wheat
Start	2109	End	2312
GI	none	Score	185
Exons	2109..2312, 2109..2243, 2110..2244		

Seq. No.	8948	Seq. ID	OJ990530_37.0126.C22
Gene No.	19085	Strand	-

Start	4773	End	7331
Name	OJ990530_37.0126.C22.o2.gs	Method	GENSCAN
Start	4773	End	7331
GI	none	Score	.47
Exons	4773..4988, 5627..5686, 5996..6289, 6624..6828, 6952..6970, 7094..7208, 7213..7331		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19086	Strand	+
Start	2003	End	3076
Name	OJ990530_37.0126.C23.o1.gs	Method	GENSCAN
Start	2003	End	3076
GI	none	Score	.65
Exons	2003..2076, 2929..3076		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19087	Strand	+
Start	3438	End	8671
Name	OJ990530_37.0126.C23.o1.np	Method	AAT/NAP
Start	3438	End	8671
GI	5852175	Score	150
Exons	3438..3486, 4018..4201, 8628..8671		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19088	Strand	-
Start	1263	End	1339
Name	OJ990530_37.0126.C23.o1.gp	Method	AAT/GAP
Start	1263	End	1339
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	1263..1339		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19089	Strand	-
Start	2892	End	8671
Name	OJ990530_37.0126.C23.o2.np	Method	AAT/NAP
Start	2892	End	7900
GI	5852180	Score	62
Exons	2892..3091, 4260..4354, 7805..7900		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19089	Strand	-
Start	2892	End	8671
Name	OJ990530_37.0126.C23.o2.gs	Method	GENSCAN
Start	3434	End	4163
GI	none	Score	.96
Exons	3434..3582, 4013..4163		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19089	Strand	-
Start	2892	End	8671
Name	OJ990530_37.0126.C23.o3.gs	Method	GENSCAN
Start	4843	End	8509

GI	none	Score	.5
Exons	4843..4986, 5794..6127, 6265..6347, 6435..6694, 7305..7376, 7907..8085, 8181..8509		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19089	Strand	-
Start	2892	End	8671
Name	OJ990530_37.0126.C23.o1.tw	Method	TBLASTX:Wheat
Start	5974	End	6260
GI	none	Score	47
Exons	5974..6117, 6006..6065, 6041..6118, 6114..6260		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19089	Strand	-
Start	2892	End	8671
Name	OJ990530_37.0126.C23.o3.np	Method	AAT/NAP
Start	6037	End	7115
GI	6539555	Score	924
Exons	6037..6347, 6435..7115		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	8949	Seq. ID	OJ990530_37.0126.C23
Gene No.	19089	Strand	-
Start	2892	End	8671
Name	OJ990530_37.0126.C23.o4.np	Method	AAT/NAP
Start	6547	End	8671
GI	480314	Score	346
Exons	6547..6584, 8131..8671		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi|397567|emb|CAA81057| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	8950	Seq. ID	OJ990530_37.0126.C24
Gene No.	19090	Strand	+
Start	1470	End	1685
Name	OJ990530_37.0126.C24.o2.gs	Method	GENSCAN
Start	1470	End	1685
GI	none	Score	.46
Exons	1470..1685		

Seq. No.	8950	Seq. ID	OJ990530_37.0126.C24
Gene No.	19091	Strand	-
Start	1	End	176
Name	OJ990530_37.0126.C24.o1.np	Method	AAT/NAP
Start	1	End	158
GI	2146800	Score	92
Exons	1..158		
GI Descrip.	anthocyanin 3 glucoside: rhamnosyltransferase - garden petunia gi|454245|emb|CAA50376| (X71059) anthocyanin 3 glucoside: rhamnosyltransferase [Petunia x hybrida] gi|454253|emb|CAA50377| (X71060) anthocyanin: rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	8950	Seq. ID	OJ990530_37.0126.C24
Gene No.	19091	Strand	-

Start	1	End	176
Name	OJ990530_37.0126.C24.o1.gs	Method	GENSCAN
Start	39	End	176
GI	none	Score	.55
Exons	39..176		

Seq. No.	8951	Seq. ID	OJ990530_37.0126.C25
Gene No.	19092	Strand	+
Start	687	End	3947
Name	OJ990530_37.0126.C25.o1.gs	Method	GENSCAN
Start	687	End	3947
GI	none	Score	.66
Exons	687..759, 1592..1690, 2046..2174, 2213..2327, 3869..3947		

Seq. No.	8951	Seq. ID	OJ990530_37.0126.C25
Gene No.	19093	Strand	+
Start	3919	End	5873
Name	OJ990530_37.0126.C25.o2.np	Method	AAT/NAP
Start	3919	End	5873
GI	4680186	Score	171
Exons	3919..3956, 5645..5873		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8951	Seq. ID	OJ990530_37.0126.C25
Gene No.	19094	Strand	-
Start	1	End	4516
Name	OJ990530_37.0126.C25.o1.np	Method	AAT/NAP
Start	1	End	4516
GI	6691191	Score	702
Exons	1..39, 216..490, 534..778, 4167..4516		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	8951	Seq. ID	OJ990530_37.0126.C25
Gene No.	19095	Strand	-
Start	6254	End	7455
Name	OJ990530_37.0126.C25.o1.tw	Method	TBLASTX:Wheat
Start	284	End	742
GI	none	Score	74
Exons	284..412, 294..395, 388..489, 422..493, 536..739, 539..643, 710..742		

Seq. No.	8951	Seq. ID	OJ990530_37.0126.C25
Gene No.	19095	Strand	-
Start	6254	End	7455
Name	OJ990530_37.0126.C25.o2.tw	Method	TBLASTX:Wheat
Start	4217	End	4637
GI	none	Score	105
Exons	4217..4510, 4238..4441, 4311..4502, 4562..4636, 4563..4637		

Seq. No.	8951	Seq. ID	OJ990530_37.0126.C25
Gene No.	19095	Strand	-
Start	6254	End	7455
Name	OJ990530_37.0126.C25.o1.ts	Method	TBLASTX:Soybean
Start	4232	End	4562
GI	none	Score	93
Exons	4232..4477, 4232..4519, 4305..4562		

Seq. No.	8951	Seq. ID	OJ990530_37.0126.C25
Gene No.	19095	Strand	-
Start	6254	End	7455
Name	OJ990530_37.0126.C25.o3.np	Method	AAT/NAP
Start	6254	End	7455
GI	6907087	Score	393
Exons	6254..6355, 6896..7455		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19096	Strand	-
Start	4328	End	9382
Name	OJ990530_37.0126.C26.o2.gs	Method	GENSCAN
Start	4328	End	9382
GI	none	Score	.57
Exons	4328..4867, 6041..6231, 6693..6989, 9331..9382		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19097	Strand	-
Start	9703	End	11324
Name	OJ990530_37.0126.C26.o1.np	Method	AAT/NAP
Start	9694	End	11100
GI	421948	Score	1090
Exons	9694..11100		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19097	Strand	-
Start	9703	End	11324
Name	OJ990530_37.0126.C26.o3.gs	Method	GENSCAN
Start	9703	End	11324
GI	none	Score	.72
Exons	9703..11147, 11153..11324		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19098	Strand	-
Start	12967	End	17587
Name	OJ990530_37.0126.C26.o1.tm	Method	TBLASTX:Maize
Start	6280	End	6777
GI	none	Score	69
Exons	6280..6378, 6282..6380, 6303..6410, 6350..6481, 6359..6748, 6433..6483, 6471..6734, 6478..6777, 6494..6748		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19098	Strand	-
Start	12967	End	17587
Name	OJ990530_37.0126.C26.o1.ts	Method	TBLASTX:Soybean
Start	9847	End	10189
GI	none	Score	172
Exons	9847..10188, 9866..10189		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19098	Strand	-
Start	12967	End	17587

Name	OJ990530_37.0126.C26.o1.tc	Method	TBLASTX:Cress
Start	9883	End	10146
GI	none	Score	59
Exons	9883..10071, 10081..10146		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19098	Strand	-
Start	12967	End	17587
Name	OJ990530_37.0126.C26.o2.tm	Method	TBLASTX:Maize
Start	9886	End	10158
GI	none	Score	189
Exons	9886..10158		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19098	Strand	-
Start	12967	End	17587
Name	OJ990530_37.0126.C26.o2.ts	Method	TBLASTX:Soybean
Start	10297	End	11079
GI	none	Score	84
Exons	10297..10362, 10342..10479, 10558..10599, 10648..10911, 10996..11079		

Seq. No.	8952	Seq. ID	OJ990530_37.0126.C26
Gene No.	19098	Strand	-
Start	12967	End	17587
Name	OJ990530_37.0126.C26.o4.gs	Method	GENSCAN
Start	12967	End	17587
GI	none	Score	.49
Exons	12967..13457, 13692..13747, 14064..14338, 15819..15981, 17511..17587		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19099	Strand	+
Start	1280	End	5791
Name	OJ990530_37.0126.C27.o1.gs	Method	GENSCAN
Start	1280	End	4046
GI	none	Score	.95
Exons	1280..1342, 2727..2905, 3181..3264, 3376..3502, 3548..3572, 3889..4046		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19099	Strand	+
Start	1280	End	5791
Name	OJ990530_37.0126.C27.o3.np	Method	AAT/NAP
Start	3313	End	5791
GI	5922620	Score	369
Exons	3313..3351, 3392..3544, 4199..4512, 5593..5791		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19100	Strand	+
Start	8121	End	8528
Name	OJ990530_37.0126.C27.o4.gs	Method	GENSCAN

Start	8121	End	8528
GI	none	Score	.81
Exons	8121..8166, 8257..8528		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19101	Strand	+
Start	8725	End	9829
Name	OJ990530_37.0126.C27.o1.gp	Method	AAT/GAP
Start	8725	End	9829
GI	none	Score	1012
Exons	8725..8966, 9508..9829		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19102	Strand	+
Start	16562	End	17428
Name	OJ990530_37.0126.C27.o6.gs	Method	GENSCAN
Start	16562	End	17428
GI	none	Score	.64
Exons	16562..16750, 16967..17428		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19103	Strand	-
Start	1063	End	3039
Name	OJ990530_37.0126.C27.o1.np	Method	AAT/NAP
Start	1063	End	3039
GI	6539570	Score	171
Exons	1063..1082, 2600..2673, 2846..3039		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19104	Strand	-
Start	3175	End	3281
Name	OJ990530_37.0126.C27.o2.np	Method	AAT/NAP
Start	3175	End	3281
GI	6630699	Score	90
Exons	3175..3281		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19105	Strand	-
Start	5930	End	7437
Name	OJ990530_37.0126.C27.o4.np	Method	AAT/NAP
Start	5930	End	7274
GI	6630699	Score	104
Exons	5930..6016, 7164..7274		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19105	Strand	-
Start	5930	End	7437
Name	OJ990530_37.0126.C27.o3.gs	Method	GENSCAN
Start	7106	End	7437
GI	none	Score	.88

Exons	7106..7315, 7390..7437		
Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19106	Strand	
Start	12770	End	13477
Name	OJ990530_37.0126.C27.o1.tm	Method	TBLASTX:Maize
Start	12770	End	13477
GI	none	Score	550
Exons	12770..13477, 12808..13026, 12836..13102, 13177..13314		
Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19106	Strand	
Start	12770	End	13477
Name	OJ990530_37.0126.C27.o2.tw	Method	TBLASTX:Wheat
Start	12772	End	13021
GI	none	Score	236
Exons	12772..13017, 12809..13021		
Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19106	Strand	
Start	12770	End	13477
Name	OJ990530_37.0126.C27.o3.tw	Method	TBLASTX:Wheat
Start	13022	End	13402
GI	none	Score	117
Exons	13022..13168, 13024..13167, 13178..13330, 13195..13314, 13322..13402		
Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19107	Strand	
Start	13861	End	14425
Name	OJ990530_37.0126.C27.o2.tm	Method	TBLASTX:Maize
Start	13861	End	14332
GI	none	Score	286
Exons	13861..14049, 13862..14233, 13911..14120, 14194..14229, 14246..14332, 14251..14328		
Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19107	Strand	
Start	13861	End	14425
Name	OJ990530_37.0126.C27.o1.tw	Method	TBLASTX:Wheat
Start	14057	End	14425
GI	none	Score	334
Exons	14057..14425, 14060..14425		
Seq. No.	8953	Seq. ID	OJ990530_37.0126.C27
Gene No.	19108	Strand	
Start	16730	End	17083
Name	OJ990530_37.0126.C27.o4.tw	Method	TBLASTX:Wheat
Start	16730	End	17083
GI	none	Score	189
Exons	16730..17083, 16786..17001		
Seq. No.	8954	Seq. ID	OJ990620_35.0114.C1
Gene No.	19109	Strand	+
Start	9606	End	9689
Name	OJ990620_35.0114.C1.o1.np	Method	AAT/NAP
Start	9606	End	9689

GI	6630699	Score	78
Exons	9606..9689		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8954	Seq. ID	OJ990620_35.0114.C1
Gene No.	19110	Strand	+
Start	14515	End	14598
Name	OJ990620_35.0114.C1.o3.np	Method	AAT/NAP
Start	14515	End	14598
GI	6630699	Score	85
Exons	14515..14598		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8954	Seq. ID	OJ990620_35.0114.C1
Gene No.	19111	Strand	+
Start	15751	End	16228
Name	OJ990620_35.0114.C1.o5.np	Method	AAT/NAP
Start	15751	End	16228
GI	5922628	Score	126
Exons	15751..15973, 16081..16228		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8954	Seq. ID	OJ990620_35.0114.C1
Gene No.	19112	Strand	+
Start	19442	End	19681
Name	OJ990620_35.0114.C1.o4.gs	Method	GENSCAN
Start	19442	End	19681
GI	none	Score	.41
Exons	19442..19681		

Seq. No.	8954	Seq. ID	OJ990620_35.0114.C1
Gene No.	19113	Strand	-
Start	2283	End	2653
Name	OJ990620_35.0114.C1.o1.gp	Method	AAT/GAP
Start	2283	End	2653
GI	uC-osflM202085g09a1	Score	742
Exons	2283..2653		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	8954	Seq. ID	OJ990620_35.0114.C1
Gene No.	19114	Strand	-
Start	9828	End	14460
Name	OJ990620_35.0114.C1.o2.np	Method	AAT/NAP
Start	9828	End	14460
GI	5922620	Score	339
Exons	9828..9980, 10258..10314, 11230..11473, 11605..11771, 14318..14382, 14422..14460		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514)		

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	8954	Seq. ID	OJ990620_35.0114.C1
Gene No.	19115	Strand	-
Start	14737	End	16507
Name	OJ990620_35.0114.C1.o4.np	Method	AAT/NAP
Start	14737	End	16507
GI	5922620	Score	157
Exons	14737..14870, 16483..16507		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8954	Seq. ID	OJ990620_35.0114.C1
Gene No.	19116	Strand	-
Start	18406	End	18464
Name	OJ990620_35.0114.C1.o2.gp	Method	AAT/GAP
Start	18406	End	18464
GI	2312838	Score	73
Exons	18406..18464		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19117	Strand	+
Start	78	End	11059
Name	OJ990620_35.0114.C2.o1.gs	Method	GENSCAN
Start	78	End	5999
GI	none	Score	.65
Exons	78..127, 1217..1282, 1817..1871, 2463..3179, 3266..3410, 3585..3632, 3708..4084, 4844..4869, 5239..5356, 5425..5506, 5836..5999		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19117	Strand	+
Start	78	End	11059
Name	OJ990620_35.0114.C2.o1.gp	Method	AAT/GAP
Start	1773	End	2110
GI	4969157	Score	361
Exons	1773..1871, 1978..2110		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19117	Strand	+
Start	78	End	11059
Name	OJ990620_35.0114.C2.o1.np	Method	AAT/NAP
Start	2015	End	4793
GI	5734720	Score	560
Exons	2015..2060, 2489..3174, 3258..3476, 3585..3982, 4710..4793		
GI Descrip.	(AC008075) Contains PF|01426 BAH (bromo-adjacent homology) domain. ESTs gb|N96349, gb|T42710, gb|H77084, gb|AA395147 and gb|AA605500 come from this gene. [Arabidopsis thaliana]		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19117	Strand	+

Start	78	End	11059
Name	OJ990620_35.0114.C2.o2.gp	Method	AAT/GAP
Start	2738	End	3810
GI	4951_1.R1084	Score	1646
Exons	2738..3179, 3266..3476, 3585..3810		
GI Descrip.	'5734720/gb|AAD49985.1|AC008075_18 6.0e-45 (AC008075) Contains PF_01426 BAH (bromo-adjacent homology) domain. ESTs gb_N96349, gb_T42710, gb_H77084, gb_AA395147 and gb_AA605500 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19117	Strand	+
Start	78	End	11059
Name	OJ990620_35.0114.C2.o2.np	Method	AAT/NAP
Start	3947	End	11059
GI	6503010	Score	713
Exons	3947..4072, 4925..5336, 8201..8419, 8506..8702, 8790..9025, 9100..9320, 9348..9805, 11027..11059		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19118	Strand	-
Start	4004	End	4531
Name	OJ990620_35.0114.C2.o3.gp	Method	AAT/GAP
Start	4004	End	4531
GI	3113_1.R1084	Score	1029
Exons	4004..4531		
GI Descrip.	'5881963/gb|AAD55139.1|AF066079_1 1.0e-12 (AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]'		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19119	Strand	-
Start	10433	End	13810
Name	OJ990620_35.0114.C2.o4.gp	Method	AAT/GAP
Start	10433	End	12123
GI	3768201	Score	700
Exons	10433..10778, 12077..12123		
GI Descrip.	5881963/gb|AAD55139.1|AF066079_1 1.0e-12 (AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19119	Strand	-
Start	10433	End	13810
Name	OJ990620_35.0114.C2.o3.np	Method	AAT/NAP
Start	10677	End	13810
GI	5881963	Score	1362
Exons	10677..10778, 12077..12160, 12257..12327, 12414..12501, 12591..12782, 12890..13810		
GI Descrip.	(AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o4.tm	Method	TBLASTX:Maize
Start	1980	End	2686
GI	none	Score	134

Exons	1980..2105, 1981..2106, 2002..2139, 2003..2110, 2451..2684, 2456..2686, 2461..2685, 2462..2686		
Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o3.ts	Method	TBLASTX:Soybean
Start	2611	End	3682
GI	none	Score	101
Exons	2611..2724, 2616..2846, 2618..2764, 2619..2864, 3030..3158, 3038..3163, 3052..3159, 3260..3343, 3264..3347, 3265..3342, 3361..3477, 3376..3444, 3377..3514, 3572..3682		
Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o1.tm	Method	TBLASTX:Maize
Start	2733	End	4190
GI	none	Score	275
Exons	2733..2945, 2742..2939, 2744..2971, 2845..2976, 3023..3181, 3024..3179, 3032..3181, 3244..3477, 3260..3478, 3572..3706, 3582..3746, 3582..3728, 3774..3836, 3809..3886, 3834..3935, 3864..3941, 3871..3972, 3987..4085, 3988..4068, 3992..4075, 4067..4108, 4148..4186, 4166..4189, 4173..4190		
Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o4.tc	Method	TBLASTX:Cress
Start	3042	End	3432
GI	none	Score	141
Exons	3042..3179, 3050..3181, 3260..3343, 3355..3432, 3383..3430		
Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o3.tm	Method	TBLASTX:Maize
Start	8815	End	9315
GI	none	Score	202
Exons	8815..9042, 8816..9031, 9102..9311, 9103..9315		
Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o3.tc	Method	TBLASTX:Cress
Start	8846	End	9326
GI	none	Score	117
Exons	8846..9031, 9098..9310, 9102..9311, 9103..9318, 9132..9326		
Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o4.ts	Method	TBLASTX:Soybean
Start	9102	End	9374
GI	none	Score	255
Exons	9102..9374, 9103..9351		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o5.ts	Method	TBLASTX:Soybean
Start	9477	End	9726
GI	none	Score	227
Exons	9477..9599, 9478..9726, 9574..9726		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o1.tw	Method	TBLASTX:Wheat
Start	10595	End	12448
GI	none	Score	141
Exons	10595..10774, 10626..10778, 10659..10778, 10660..10779, 12065..12163, 12071..12163, 12255..12326, 12257..12343, 12258..12344, 12407..12448, 12412..12447		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o1.tc	Method	TBLASTX:Cress
Start	10657	End	13033
GI	none	Score	128
Exons	10657..10779, 10671..10778, 12071..12163, 12074..12163, 12075..12164, 12075..12164, 12256..12303, 12256..12303, 12257..12337, 12261..12329, 12410..12502, 12412..12504, 12412..12504, 12577..12687, 12588..12635, 12634..12783, 12636..12782, 12887..13033, 12918..13010, 12929..13012		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o2.tm	Method	TBLASTX:Maize
Start	10665	End	13487
GI	none	Score	89
Exons	10665..10778, 10681..10779, 12071..12160, 12080..12151, 12223..12303, 12260..12337, 12261..12329, 12407..12502, 12410..12496, 12412..12504, 12415..12504, 12568..12780, 12572..12778, 12588..12782, 12591..12782, 12887..13057, 12918..13010, 12929..13057, 13134..13244, 13136..13258, 13352..13486, 13428..13487		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o1.ts	Method	TBLASTX:Soybean
Start	10674	End	13246
GI	none	Score	90
Exons	10674..10778, 10678..10779, 12071..12160, 12072..12161, 12260..12292, 12261..12293, 12293..12337, 12410..12490, 12412..12504, 12568..12780, 12588..12782, 12591..12785, 12887..13057, 12933..13013, 13133..13246, 13134..13244		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731

Name	OJ990620_35.0114.C2.o2.tc	Method	TBLASTX:Cress
Start	13358	End	13645
GI	none	Score	116
Exons	13358..13645, 13428..13637		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o2.ts	Method	TBLASTX:Soybean
Start	13400	End	13645
GI	none	Score	72
Exons	13400..13645, 13428..13490, 13484..13618, 13584..13637		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o5.tm	Method	TBLASTX:Maize
Start	13490	End	13645
GI	none	Score	153
Exons	13490..13624, 13490..13645		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o4.gs	Method	GENSCAN
Start	15820	End	16648
GI	none	Score	.94
Exons	15820..16020, 16613..16648		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o5.gp	Method	AAT/GAP
Start	15846	End	16187
GI	25792_1.R1084	Score	645
Exons	15846..16187		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	8955	Seq. ID	OJ990620_35.0114.C2
Gene No.	19120	Strand	-
Start	15820	End	16731
Name	OJ990620_35.0114.C2.o6.gp	Method	AAT/GAP
Start	16362	End	16731
GI	2312718	Score	632
Exons	16362..16731		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19121	Strand	+
Start	8275	End	9199
Name	OJ990620_35.0114.C3.o2.gs	Method	GENSCAN
Start	8275	End	8913
GI	none	Score	.76
Exons	8275..8683, 8759..8913		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19121	Strand	+
Start	8275	End	9199
Name	OJ990620_35.0114.C3.o2.gp	Method	AAT/GAP
Start	8424	End	9199
GI	34533_1.R1084	Score	1325
Exons	8424..8683, 8759..9199		
GI Descrip.	'2245001/emb|CAB10421.1| 4.0e-43 (Z97341) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19121	Strand	+
Start	8275	End	9199
Name	OJ990620_35.0114.C3.o2.np	Method	AAT/NAP
Start	8530	End	8922
GI	2245001	Score	395
Exons	8530..8683, 8759..8922		
GI Descrip.	(Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19122	Strand	+
Start	12841	End	14092
Name	OJ990620_35.0114.C3.o3.gs	Method	GENSCAN
Start	12841	End	14092
GI	none	Score	.72
Exons	12841..12895, 13707..14092		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19122	Strand	+
Start	12841	End	14092
Name	OJ990620_35.0114.C3.o3.np	Method	AAT/NAP
Start	13116	End	13199
GI	133404	Score	55
Exons	13116..13199		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE ALPHA CHAIN gi|66963|pir||RNRZA DNA-directed RNA polymerase (EC 2.7.7.6) alpha chain - rice chloroplast gi|12018|emb|CAA33979| (X15901) RNA polymerase alpha subunit [Oryza sativa] gi|226639|prf||1603356BN RNA polymerase alpha [Oryza sativa]		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19123	Strand	+
Start	19225	End	21428
Name	OJ990620_35.0114.C3.o3.gp	Method	AAT/GAP
Start	19225	End	21428
GI	55343_1.R1084	Score	1562
Exons	19225..19484, 20853..21428		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19124	Strand	-
Start	861	End	7344
Name	OJ990620_35.0114.C3.o1.gs	Method	GENSCAN
Start	861	End	7344
GI	none	Score	.61
Exons	861..973, 1420..1593, 1657..2098, 2249..2389, 2436..2543,		

2636..2897, 3002..3300, 3381..3499, 3533..3794, 3899..4068, 4092..4246, 4322..4395, 4891..5207, 5478..5645, 6177..6317, 7151..7277, 7342..7344

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19124	Strand	-
Start	861	End	7344
Name	OJ990620_35.0114.C3.o1.np	Method	AAT/NAP
Start	1643	End	7145
GI	5441880	Score	2653
Exons	1643..1857, 2150..2385, 2636..2897, 3002..3300, 3880..4213, 4322..4461, 5074..5400, 5659..5690, 6135..7145		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19124	Strand	-
Start	861	End	7344
Name	OJ990620_35.0114.C3.o1.gp	Method	AAT/GAP
Start	1964	End	4207
GI	LIB3433-020-P1-K1-A6	Score	703
Exons	1964..2343, 4165..4207		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19124	Strand	-
Start	861	End	7344
Name	OJ990620_35.0114.C3.o3.tw	Method	TBLASTX:Wheat
Start	3973	End	4155
GI	none	Score	105
Exons	3973..4092, 3974..4093, 4091..4141, 4102..4155		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19124	Strand	-
Start	861	End	7344
Name	OJ990620_35.0114.C3.o1.tw	Method	TBLASTX:Wheat
Start	5908	End	6285
GI	none	Score	61
Exons	5908..6081, 5919..6059, 6014..6082, 6106..6282, 6131..6283, 6136..6285		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19124	Strand	-
Start	861	End	7344
Name	OJ990620_35.0114.C3.o2.tm	Method	TBLASTX:Maize
Start	6101	End	6579
GI	none	Score	216
Exons	6101..6574, 6112..6579		

Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19125	Strand	
Start	8122	End	8946
Name	OJ990620_35.0114.C3.o2.tw	Method	TBLASTX:Wheat
Start	8122	End	8823
GI	none	Score	250

Exons	8122..8178, 8518..8757, 8526..8687, 8781..8822, 8782..8823		
Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19125	Strand	
Start	8122	End	8946
Name	OJ990620_35.0114.C3.o1.tm	Method	TBLASTX:Maize
Start	8438	End	8946
GI	none	Score	38
Exons	8438..8461, 8439..8462, 8509..8685, 8526..8687, 8751..8909, 8755..8946		
Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19125	Strand	
Start	8122	End	8946
Name	OJ990620_35.0114.C3.o1.tc	Method	TBLASTX:Cress
Start	8521	End	8901
GI	none	Score	221
Exons	8521..8685, 8529..8687, 8751..8891, 8755..8901		
Seq. No.	8956	Seq. ID	OJ990620_35.0114.C3
Gene No.	19125	Strand	
Start	8122	End	8946
Name	OJ990620_35.0114.C3.o1.ts	Method	TBLASTX:Soybean
Start	8524	End	8907
GI	none	Score	240
Exons	8524..8685, 8529..8687, 8751..8900, 8755..8907		
Seq. No.	8957	Seq. ID	OJ990620_35.0114.C4
Gene No.	19126	Strand	+
Start	1229	End	6423
Name	OJ990620_35.0114.C4.o1.gs	Method	GENSCAN
Start	1229	End	6423
GI	none	Score	.55
Exons	1229..1318, 2550..2589, 2595..2741, 3963..4011, 5983..6044, 6324..6423		
Seq. No.	8958	Seq. ID	OJ990620_35.0114.C5
Gene No.	19127	Strand	-
Start	768	End	887
Name	OJ990620_35.0114.C5.o1.gs	Method	GENSCAN
Start	768	End	887
GI	none	Score	.95
Exons	768..887		
Seq. No.	8959	Seq. ID	OJ990620_35.0114.C6
Gene No.	19128	Strand	+
Start	224	End	1099
Name	OJ990620_35.0114.C6.o1.gs	Method	GENSCAN
Start	224	End	1089
GI	none	Score	.94
Exons	224..345, 468..527, 695..1089		
Seq. No.	8959	Seq. ID	OJ990620_35.0114.C6
Gene No.	19128	Strand	+
Start	224	End	1099
Name	OJ990620_35.0114.C6.o1.np	Method	AAT/NAP
Start	464	End	1099

GI	2498930	Score	727
Exons	464..527, 695..1099		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19129	Strand	+
Start	1	End	3714
Name	OJ990620_35.0114.C7.o1.np	Method	AAT/NAP
Start	1	End	3320
GI	6498441	Score	3786
Exons	1..371, 468..807, 1000..1382, 1554..2951, 3046..3320		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19129	Strand	+
Start	1	End	3714
Name	OJ990620_35.0114.C7.o1.gs	Method	GENSCAN
Start	631	End	3714
GI	none	Score	.71
Exons	631..2977, 2988..3341, 3516..3714		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19130	Strand	+
Start	12613	End	15099
Name	OJ990620_35.0114.C7.o2.gp	Method	AAT/GAP
Start	12611	End	15020
GI	LIB3432-052-P1-K1-E2	Score	760
Exons	12611..12688, 13276..13426, 14838..15020		
GI Descrip.	'5734712/gb|AAD49977.1|AC008075_10 4.0e-37 (AC008075) ESTs gb_T41781 and gb_AA586096 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19130	Strand	+
Start	12613	End	15099
Name	OJ990620_35.0114.C7.o4.gs	Method	GENSCAN
Start	12613	End	15099
GI	none	Score	.92
Exons	12613..12688, 13276..13426, 14838..15099		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19130	Strand	+
Start	12613	End	15099
Name	OJ990620_35.0114.C7.o5.np	Method	AAT/NAP
Start	12613	End	15096
GI	5734712	Score	499
Exons	12613..12670, 13270..13426, 14838..15096		
GI Descrip.	(AC008075) ESTs gb|T41781 and gb|AA586096 come from this gene. [Arabidopsis thaliana]		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19131	Strand	+
Start	16845	End	20881
Name	OJ990620_35.0114.C7.o5.gs	Method	GENSCAN

Start	16845	End	20881
GI	none	Score	.57
Exons	16845..17008, 18205..18373, 19025..19120, 19622..19829, 20664..20881		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19132	Strand	+
Start	21765	End	23476
Name	OJ990620_35.0114.C7.o6.gs	Method	GENSCAN
Start	21765	End	23476
GI	none	Score	.64
Exons	21765..21901, 23395..23476		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19133	Strand	-
Start	3950	End	11491
Name	OJ990620_35.0114.C7.o2.gs	Method	GENSCAN
Start	3950	End	7293
GI	none	Score	.92
Exons	3950..5936, 6032..6430, 6572..7293		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19133	Strand	-
Start	3950	End	11491
Name	OJ990620_35.0114.C7.o2.np	Method	AAT/NAP
Start	3953	End	7293
GI	5803259	Score	5052
Exons	3953..5622, 5707..5936, 6032..7293		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19133	Strand	-
Start	3950	End	11491
Name	OJ990620_35.0114.C7.o3.np	Method	AAT/NAP
Start	6994	End	10291
GI	3319345	Score	532
Exons	6994..7234, 9016..9405, 9498..9952, 10052..10291		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19133	Strand	-
Start	3950	End	11491
Name	OJ990620_35.0114.C7.o3.gs	Method	GENSCAN
Start	7950	End	11491
GI	none	Score	.62
Exons	7950..8055, 8215..8290, 8530..8691, 8775..9405, 9498..9686, 9765..10044, 10243..10860, 11249..11303, 11422..11491		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o3.tw	Method	TBLASTX:Wheat
Start	325	End	582
GI	none	Score	295
Exons	325..582, 325..573, 327..581		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o3.tm	Method	TBLASTX:Maize
Start	327	End	713
GI	none	Score	235
Exons	327..599, 328..600, 600..713, 644..682		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o2.tw	Method	TBLASTX:Wheat
Start	1254	End	1688
GI	none	Score	236
Exons	1254..1505, 1254..1451, 1319..1495, 1539..1688, 1550..1687		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o2.ts	Method	TBLASTX:Soybean
Start	1377	End	1943
GI	5666795	Score	68
Exons	1377..1475, 1551..1688, 1743..1943		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o5.tw	Method	TBLASTX:Wheat
Start	1691	End	2003
GI	none	Score	187
Exons	1691..1867, 1743..2003		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o2.tm	Method	TBLASTX:Maize
Start	2196	End	2519
GI	none	Score	364
Exons	2196..2519, 2225..2506		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o1.tw	Method	TBLASTX:Wheat
Start	2333	End	2714
GI	none	Score	378
Exons	2333..2389, 2334..2714, 2430..2675, 2435..2683		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o4.tw	Method	TBLASTX:Wheat
Start	2715	End	3303
GI	none	Score	250
Exons	2715..2987, 2719..2790, 2720..2818, 2853..2957, 2855..2983, 3192..3302, 3193..3303		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	13272	End	15251
GI	none	Score	42
Exons	13272..13340, 13273..13365, 13339..13422, 13339..13422, 13341..13424, 13352..13423, 13367..13429, 13368..13427, 14836..15099, 14839..15009, 14840..15064, 14922..15095, 15222..15251		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o1.ts	Method	TBLASTX:Soybean
Start	13383	End	15113
GI	none	Score	67
Exons	13383..13427, 14835..15011, 14836..15099, 14905..15009, 14922..15113		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o1.tc	Method	TBLASTX:Cress
Start	14836	End	15099
GI	none	Score	371
Exons	14836..15099, 14905..15009, 14922..15098		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o7.gs	Method	GENSCAN
Start	28362	End	29153
GI	none	Score	.7
Exons	28362..29153		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o6.np	Method	AAT/NAP
Start	28520	End	29283
GI	2051979	Score	181
Exons	28520..29283		
GI Descrip.	(U94494) teosinte branched1 protein [Zea mays]		

Seq. No.	8960	Seq. ID	OJ990620_35.0114.C7
Gene No.	19134	Strand	-
Start	28362	End	29283
Name	OJ990620_35.0114.C7.o3.ts	Method	TBLASTX:Soybean
Start	28749	End	28901
GI	none	Score	92
Exons	28749..28895, 28749..28901, 28750..28896		

Seq. No.	8961	Seq. ID	OJ990620_35.0114.C8
Gene No.	19135	Strand	+
Start	505	End	9783

Name	OJ990620_35.0114.C8.o1.gs	Method	GENSCAN
Start	505	End	9783
GI	none	Score	.66
Exons	505..627, 2220..2341, 2373..2535, 3562..3847, 6441..6587, 7712..7891, 8052..8248, 8490..8595, 9698..9783		

Seq. No.	8961	Seq. ID	OJ990620_35.0114.C8
Gene No.	19136	Strand	+
Start	11545	End	11685
Name	OJ990620_35.0114.C8.o1.gp	Method	AAT/GAP
Start	11545	End	11685
GI	21474_1.R1084	Score	220
Exons	11545..11685		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	8961	Seq. ID	OJ990620_35.0114.C8
Gene No.	19137	Strand	-
Start	9610	End	16592
Name	OJ990620_35.0114.C8.o1.np	Method	AAT/NAP
Start	9610	End	15699
GI	4680204	Score	1066
Exons	9610..9650, 12039..12135, 12486..12709, 12806..12979, 13089..14188, 14263..15699		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	8961	Seq. ID	OJ990620_35.0114.C8
Gene No.	19137	Strand	-
Start	9610	End	16592
Name	OJ990620_35.0114.C8.o2.gs	Method	GENSCAN
Start	11986	End	16592
GI	none	Score	.73
Exons	11986..12165, 12218..12343, 12438..12510, 12599..12709, 12806..12979, 13089..14188, 14263..15684, 16519..16592		

Seq. No.	8961	Seq. ID	OJ990620_35.0114.C8
Gene No.	19137	Strand	-
Start	9610	End	16592
Name	OJ990620_35.0114.C8.o3.tw	Method	TBLASTX:Wheat
Start	12640	End	13162
GI	none	Score	70
Exons	12640..12711, 12811..12993, 12818..12943, 13082..13162		

Seq. No.	8961	Seq. ID	OJ990620_35.0114.C8
Gene No.	19137	Strand	-
Start	9610	End	16592
Name	OJ990620_35.0114.C8.o2.tw	Method	TBLASTX:Wheat
Start	13976	End	14652
GI	none	Score	54
Exons	13976..14197, 14121..14195, 14260..14331, 14572..14652		

Seq. No.	8961	Seq. ID	OJ990620_35.0114.C8
Gene No.	19137	Strand	-
Start	9610	End	16592
Name	OJ990620_35.0114.C8.o1.tw	Method	TBLASTX:Wheat
Start	14653	End	15056
GI	none	Score	50

Exons	14653..14748, 14653..14823, 14813..14953, 14818..15054, 14905..15054, 14916..15056, 14940..15056		
Seq. No.	8962	Seq. ID	OJ990620_35.0114.C9
Gene No.	19138	Strand	+
Start	1048	End	1493
Name	OJ990620_35.0114.C9.o4.gp	Method	AAT/GAP
Start	1048	End	1493
GI	LIB3431-028-P1-N1-A10	Score	763
Exons	1048..1118, 1146..1493		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	8962	Seq. ID	OJ990620_35.0114.C9
Gene No.	19139	Strand	-
Start	177	End	2452
Name	OJ990620_35.0114.C9.o1.gp	Method	AAT/GAP
Start	177	End	2452
GI	342_1.R1084	Score	3513
Exons	177..694, 804..901, 1033..2452		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8962	Seq. ID	OJ990620_35.0114.C9
Gene No.	19139	Strand	-
Start	177	End	2452
Name	OJ990620_35.0114.C9.o1.gs	Method	GENSCAN
Start	1111	End	2353
GI	none	Score	.54
Exons	1111..1384, 1509..2353		

Seq. No.	8962	Seq. ID	OJ990620_35.0114.C9
Gene No.	19139	Strand	-
Start	177	End	2452
Name	OJ990620_35.0114.C9.o1.tw	Method	TBLASTX:Wheat
Start	1186	End	2452
GI	none	Score	52
Exons	1186..1278, 1187..1252, 1267..1347, 1379..1501, 1380..1502, 1449..1544, 1481..1540, 1547..1591, 1552..1572, 1586..2407, 1602..2408, 2407..2451, 2414..2452		

Seq. No.	8962	Seq. ID	OJ990620_35.0114.C9
Gene No.	19139	Strand	-
Start	177	End	2452
Name	OJ990620_35.0114.C9.o1.np	Method	AAT/NAP
Start	1671	End	2452
GI	6742729	Score	1182
Exons	1671..2452		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	8962	Seq. ID	OJ990620_35.0114.C9
Gene No.	19139	Strand	-
Start	177	End	2452
Name	OJ990620_35.0114.C9.o1.tc	Method	TBLASTX:Cress
Start	1769	End	2220
GI	none	Score	315
Exons	1769..2212, 1773..2216, 1809..2216, 2038..2220		

Seq. No.	8962	Seq. ID	OJ990620_35.0114.C9
Gene No.	19139	Strand	-
Start	177	End	2452
Name	OJ990620_35.0114.C9.o1.tm	Method	TBLASTX:Maize
Start	2147	End	2451
GI	none	Score	66
Exons	2147..2377, 2147..2407, 2175..2417, 2407..2451		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19140	Strand	+
Start	3469	End	6229
Name	OJ990620_35.0114.C10.o2.gs	Method	GENSCAN
Start	3469	End	4082
GI	none	Score	.69
Exons	3469..3513, 3876..4082		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19140	Strand	+
Start	3469	End	6229
Name	OJ990620_35.0114.C10.o2.np	Method	AAT/NAP
Start	3916	End	6229
GI	4586018	Score	266
Exons	3916..4097, 6193..6229		
GI Descrip.	(AC007210) putative MADS-box protein ANR1 [Arabidopsis thaliana]		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19141	Strand	-
Start	1	End	2727
Name	OJ990620_35.0114.C10.o1.gp	Method	AAT/GAP
Start	1	End	2274
GI	342_1.R1084	Score	3857
Exons	1..2274		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19141	Strand	-
Start	1	End	2727
Name	OJ990620_35.0114.C10.o1.gs	Method	GENSCAN
Start	23	End	2278
GI	none	Score	.97
Exons	23..2278		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19141	Strand	-
Start	1	End	2727
Name	OJ990620_35.0114.C10.o1.np	Method	AAT/NAP
Start	196	End	2278
GI	4680203	Score	2351
Exons	196..451, 605..2278		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19141	Strand	-
Start	1	End	2727
Name	OJ990620_35.0114.C10.o3.gp	Method	AAT/GAP

Start	2139	End	2727
GI	2310235	Score	297
Exons	2139..2278, 2690..2727		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o2.tm	Method	TBLASTX:Maize
Start	2	End	295
GI	none	Score	60
Exons	2..211, 2..295, 9..284		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o3.tw	Method	TBLASTX:Wheat
Start	2	End	299
GI	none	Score	279
Exons	2..298, 3..299, 3..299		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o2.tw	Method	TBLASTX:Wheat
Start	300	End	749
GI	none	Score	113
Exons	300..425, 302..430, 302..424, 458..676, 498..680, 686..748, 699..749		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o3.ts	Method	TBLASTX:Soybean
Start	782	End	1024
GI	none	Score	216
Exons	782..1024		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o1.tm	Method	TBLASTX:Maize
Start	854	End	1312
GI	none	Score	96
Exons	854..1048, 1058..1312, 1058..1300		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o1.tw	Method	TBLASTX:Wheat
Start	888	End	1357
GI	none	Score	173
Exons	888..1094, 888..1097, 893..1096, 893..1117, 1097..1195, 1098..1190, 1199..1303, 1203..1292, 1304..1357, 1305..1349		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10

Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o1.tc	Method	TBLASTX:Cress
Start	1145	End	1493
GI	none	Score	80
Exons	1145..1486, 1164..1301, 1341..1493		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o1.ts	Method	TBLASTX:Soybean
Start	1226	End	1655
GI	none	Score	121
Exons	1226..1522, 1244..1468, 1517..1579, 1572..1655, 1580..1654		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o4.tw	Method	TBLASTX:Wheat
Start	1576	End	1927
GI	none	Score	187
Exons	1576..1827, 1586..1837, 1587..1829, 1820..1927		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o2.tc	Method	TBLASTX:Cress
Start	3931	End	4095
GI	none	Score	224
Exons	3931..4095, 3957..4091		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o5.tw	Method	TBLASTX:Wheat
Start	3931	End	4098
GI	none	Score	207
Exons	3931..4098, 3957..4085		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o2.ts	Method	TBLASTX:Soybean
Start	3931	End	4100
GI	none	Score	234
Exons	3931..4098, 3957..4100		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o3.tm	Method	TBLASTX:Maize
Start	3931	End	4097
GI	none	Score	226
Exons	3931..4095, 3946..4017, 3957..4097		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-

Start	5361	End	5866
Name	OJ990620_35.0114.C10.o4.gp	Method	AAT/GAP
Start	5361	End	5845
GI	4714911	Score	893
Exons	5361..5845		

Seq. No.	8963	Seq. ID	OJ990620_35.0114.C10
Gene No.	19142	Strand	-
Start	5361	End	5866
Name	OJ990620_35.0114.C10.o3.gs	Method	GENSCAN
Start	5688	End	5866
GI	none	Score	.96
Exons	5688..5866		

Seq. No.	8964	Seq. ID	OJ990620_38.0103.C1
Gene No.	19143	Strand	+
Start	74	End	271
Name	OJ990620_38.0103.C1.o1.gs	Method	GENSCAN
Start	74	End	271
GI	none	Score	.66
Exons	74..271		

Seq. No.	8965	Seq. ID	OJ990620_38.0103.C2
Gene No.	19144	Strand	+
Start	5476	End	8136
Name	OJ990620_38.0103.C2.o2.gs	Method	GENSCAN
Start	5476	End	8136
GI	none	Score	.51
Exons	5476..5531, 5760..5963, 6304..6483, 6773..6885, 7239..7348, 7550..7919, 7974..8136		

Seq. No.	8965	Seq. ID	OJ990620_38.0103.C2
Gene No.	19144	Strand	+
Start	5476	End	8136
Name	OJ990620_38.0103.C2.o3.np	Method	AAT/NAP
Start	6530	End	6631
GI	5777617	Score	82
Exons	6530..6631		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	8965	Seq. ID	OJ990620_38.0103.C2
Gene No.	19145	Strand	-
Start	1	End	3192
Name	OJ990620_38.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	2341
GI	5852093	Score	76
Exons	1..30, 850..967, 2315..2341		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	8965	Seq. ID	OJ990620_38.0103.C2
Gene No.	19145	Strand	-
Start	1	End	3192
Name	OJ990620_38.0103.C2.o2.np	Method	AAT/NAP
Start	219	End	3192
GI	4678261	Score	124
Exons	219..256, 2092..2182, 2927..3192		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis		

thaliana]

Seq. No.	8965	Seq. ID	OJ990620_38.0103.C2
Gene No.	19146	Strand	-
Start	5149	End	8208
Name	OJ990620_38.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	1381	End	1996
GI	none	Score	66
Exons	1381..1470, 1470..1532, 1600..1692, 1601..1684, 1689..1733, 1739..1804, 1740..1793, 1895..1996		

Seq. No.	8965	Seq. ID	OJ990620_38.0103.C2
Gene No.	19146	Strand	-
Start	5149	End	8208
Name	OJ990620_38.0103.C2.o4.np	Method	AAT/NAP
Start	5149	End	8208
GI	6006864	Score	62
Exons	5149..5229, 7124..7221, 8146..8208		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	8966	Seq. ID	OJ990620_38.0103.C3
Gene No.	19147	Strand	+
Start	35	End	923
Name	OJ990620_38.0103.C3.o1.np	Method	AAT/NAP
Start	35	End	923
GI	5669654	Score	82
Exons	35..107, 772..923		
GI Descrip.	(AF096262) ER6 protein [Lycopersicon esculentum]		

Seq. No.	8966	Seq. ID	OJ990620_38.0103.C3
Gene No.	19148	Strand	-
Start	4343	End	4747
Name	OJ990620_38.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	789	End	905
GI	none	Score	185
Exons	789..899, 795..905		

Seq. No.	8966	Seq. ID	OJ990620_38.0103.C3
Gene No.	19148	Strand	-
Start	4343	End	4747
Name	OJ990620_38.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	1959	End	2275
GI	none	Score	199
Exons	1959..2213, 2033..2212, 2228..2275		

Seq. No.	8966	Seq. ID	OJ990620_38.0103.C3
Gene No.	19148	Strand	-
Start	4343	End	4747
Name	OJ990620_38.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	2356	End	2652
GI	none	Score	200
Exons	2356..2652, 2361..2504		

Seq. No.	8966	Seq. ID	OJ990620_38.0103.C3
Gene No.	19148	Strand	-
Start	4343	End	4747
Name	OJ990620_38.0103.C3.o1.gp	Method	AAT/GAP

Start	4173	End	4619
GI	3761484	Score	745
Exons	4173..4619		

Seq. No.	8966	Seq. ID	OJ990620_38.0103.C3
Gene No.	19148	Strand	-
Start	4343	End	4747
Name	OJ990620_38.0103.C3.o2.gs	Method	GENSCAN
Start	4343	End	4747
GI	none	Score	.84
Exons	4343..4747		

Seq. No.	8967	Seq. ID	OJ990620_38.0103.C4
Gene No.	19149	Strand	-
Start	1	End	482
Name	OJ990620_38.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	482
GI	4206114	Score	161
Exons	1..31, 185..243, 420..482		
GI Descrip.	(AF097663) cytoplasmic glucose-6-phosphate 1-dehydrogenase [Mesembryanthemum crystallinum]		

Seq. No.	8967	Seq. ID	OJ990620_38.0103.C4
Gene No.	19149	Strand	-
Start	1	End	482
Name	OJ990620_38.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	51	End	480
GI	none	Score	73
Exons	51..68, 171..263, 178..264, 178..249, 414..479, 421..480		

Seq. No.	8967	Seq. ID	OJ990620_38.0103.C4
Gene No.	19149	Strand	-
Start	1	End	482
Name	OJ990620_38.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	178	End	480
GI	none	Score	77
Exons	178..249, 186..287, 414..479, 421..480		

Seq. No.	8967	Seq. ID	OJ990620_38.0103.C4
Gene No.	19149	Strand	-
Start	1	End	482
Name	OJ990620_38.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	184	End	480
GI	none	Score	72
Exons	184..249, 414..479, 421..480		

Seq. No.	8968	Seq. ID	OJ990620_38.0103.C5
Gene No.	19150	Strand	-
Start	108	End	381
Name	OJ990620_38.0103.C5.o1.gs	Method	GENSCAN
Start	108	End	381
GI	none	Score	.69
Exons	108..381		

Seq. No.	8969	Seq. ID	OJ990620_38.0103.C6
Gene No.	19151	Strand	+
Start	1784	End	1940

Name	OJ990620_38.0103.C6.o1.gp	Method	AAT/GAP
Start	1784	End	1940
GI	3761181	Score	280
Exons	1784..1940		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8969	Seq. ID	OJ990620_38.0103.C6
Gene No.	19152	Strand	-
Start	462	End	1514
Name	OJ990620_38.0103.C6.o1.gs	Method	GENSCAN
Start	462	End	1514
GI	none	Score	.52
Exons	462..569, 1429..1514		

Seq. No.	8970	Seq. ID	OJ990620_38.0103.C7
Gene No.	19153	Strand	+
Start	1	End	3473
Name	OJ990620_38.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	3473
GI	5091513	Score	1823
Exons	1..746, 1399..2229, 2351..2608, 3348..3473		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8970	Seq. ID	OJ990620_38.0103.C7
Gene No.	19154	Strand	-
Start	2990	End	3341
Name	OJ990620_38.0103.C7.o2.gs	Method	GENSCAN
Start	2990	End	3341
GI	none	Score	.5
Exons	2990..3072, 3212..3341		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19155	Strand	+
Start	1	End	3364
Name	OJ990620_38.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	2383
GI	3122591	Score	103
Exons	1..100, 952..1050, 1156..1233, 1281..1338, 1433..1515, 1602..1671, 1919..2044, 2220..2383		
GI Descrip.	PROTEIN PHOSPHATASE 2C GAMMA ISOFORM (PP2C-GAMMA) (PROTEIN PHOSPHATASE 1B) (MAGNESIUM-DEPENDENT CALCIUM INHIBITABLE PHOSPHATASE) (MCPP) gi|1754694 (U81159) magnesium-dependent calcium inhibitable phosphatase [Bos taurus]		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19155	Strand	+
Start	1	End	3364
Name	OJ990620_38.0103.C8.o1.gs	Method	GENSCAN
Start	329	End	3364
GI	none	Score	.86
Exons	329..445, 936..1055, 1158..1338, 1433..1509, 1596..1648, 1815..1866, 2162..3364		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19156	Strand	+
Start	6054	End	11683

Name	OJ990620_38.0103.C8.o3.gs	Method	GENSCAN
Start	6054	End	11683
GI	none	Score	.59
Exons	6054..6074, 7112..7171, 7176..7278, 7399..7432, 9159..9278, 9659..9724, 10160..10184, 11035..11158, 11376..11683		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19157	Strand	+
Start	14873	End	15481
Name	OJ990620_38.0103.C8.o5.gs	Method	GENSCAN
Start	14873	End	15481
GI	none	Score	.94
Exons	14873..15481		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19158	Strand	+
Start	15926	End	16346
Name	OJ990620_38.0103.C8.o1.gp	Method	AAT/GAP
Start	15926	End	16346
GI	none	Score	345
Exons	15926..16153, 16314..16346		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19159	Strand	-
Start	4224	End	5369
Name	OJ990620_38.0103.C8.o2.gs	Method	GENSCAN
Start	4224	End	5369
GI	none	Score	.58
Exons	4224..5369		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19160	Strand	-
Start	8858	End	9965
Name	OJ990620_38.0103.C8.o2.np	Method	AAT/NAP
Start	8858	End	9965
GI	6815053	Score	729
Exons	8858..9093, 9143..9318, 9819..9965		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19161	Strand	-
Start	10501	End	11104
Name	OJ990620_38.0103.C8.o3.np	Method	AAT/NAP
Start	10501	End	11104
GI	6721559	Score	393
Exons	10501..10632, 10665..11104		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19162	Strand	-
Start	11077	End	11708
Name	OJ990620_38.0103.C8.o4.np	Method	AAT/NAP
Start	11077	End	11708
GI	6721560	Score	234
Exons	11077..11293, 11452..11551, 11593..11708		

GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	8971	Seq. ID	OJ990620_38.0103.C8
Gene No.	19163	Strand	-
Start	12400	End	13167
Name	OJ990620_38.0103.C8.o5.np	Method	AAT/NAP
Start	12400	End	13167
GI	4680183	Score	197
Exons	12400..12489, 13097..13167		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	8972	Seq. ID	OJ990620_38.0103.C9
Gene No.	19164	Strand	+
Start	2861	End	9824
Name	OJ990620_38.0103.C9.o1.gs	Method	GENSCAN
Start	2861	End	9621
GI	none	Score	.41
Exons	2861..3982, 5132..5543, 5853..6393, 6425..6575, 6767..6949, 7277..7346, 7976..8231, 8592..9621		

Seq. No.	8972	Seq. ID	OJ990620_38.0103.C9
Gene No.	19164	Strand	+
Start	2861	End	9824
Name	OJ990620_38.0103.C9.o1.np	Method	AAT/NAP
Start	5779	End	9824
GI	5922636	Score	469
Exons	5779..5857, 6341..6575, 6869..7007, 9809..9824		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	8972	Seq. ID	OJ990620_38.0103.C9
Gene No.	19165	Strand	-
Start	180	End	1912
Name	OJ990620_38.0103.C9.o1.gp	Method	AAT/GAP
Start	180	End	1912
GI	none	Score	455
Exons	180..230, 1047..1240, 1881..1912		

Seq. No.	8972	Seq. ID	OJ990620_38.0103.C9
Gene No.	19166	Strand	-
Start	4581	End	9824
Name	OJ990620_38.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	172	End	1241
GI	none	Score	203
Exons	172..228, 1045..1239, 1046..1240, 1050..1241		

Seq. No.	8972	Seq. ID	OJ990620_38.0103.C9
Gene No.	19166	Strand	-
Start	4581	End	9824
Name	OJ990620_38.0103.C9.o2.np	Method	AAT/NAP
Start	4581	End	9824
GI	6069654	Score	129

Exons	4581..4736, 5272..5551, 6238..6324, 6652..6818, 7321..7712, 7904..8121, 8671..9081, 9754..9824		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	8973	Seq. ID	OJ990620_38.0103.C10
Gene No.	19167	Strand	+
Start	1	End	4058
Name	OJ990620_38.0103.C10.o1.np	Method	AAT/NAP
Start	1	End	4058
GI	5777623	Score	1244
Exons	1..25, 168..347, 598..735, 915..1423, 2230..2472, 3961..4058		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	8973	Seq. ID	OJ990620_38.0103.C10
Gene No.	19167	Strand	+
Start	1	End	4058
Name	OJ990620_38.0103.C10.o1.gp	Method	AAT/GAP
Start	3103	End	3599
GI	38782_1.R1084	Score	806
Exons	3103..3599		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	8973	Seq. ID	OJ990620_38.0103.C10
Gene No.	19168	Strand	+
Start	4538	End	4669
Name	OJ990620_38.0103.C10.o2.gp	Method	AAT/GAP
Start	4538	End	4669
GI	LIB3477-002-P1-K1-D5	Score	245
Exons	4538..4669		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	8973	Seq. ID	OJ990620_38.0103.C10
Gene No.	19169	Strand	-
Start	836	End	4891
Name	OJ990620_38.0103.C10.o2.np	Method	AAT/NAP
Start	836	End	4891
GI	4680186	Score	212
Exons	836..870, 2619..2797, 3302..3365, 4795..4891		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	8973	Seq. ID	OJ990620_38.0103.C10
Gene No.	19169	Strand	-
Start	836	End	4891
Name	OJ990620_38.0103.C10.o1.gs	Method	GENSCAN
Start	1059	End	4717
GI	none	Score	.54
Exons	1059..1434, 2347..2444, 2619..2793, 3207..3322, 3901..3939, 4559..4717		

Seq. No.	8974	Seq. ID	OJ990620_38.0103.C11
Gene No.	19170	Strand	+
Start	77	End	1400
Name	OJ990620_38.0103.C11.o1.gs	Method	GENSCAN
Start	77	End	1400
GI	none	Score	.98

Exons	77..153, 246..298, 453..504, 876..1400		
Seq. No.	8974	Seq. ID	OJ990620_38.0103.C11
Gene No.	19171	Strand	+
Start	2116	End	5528
Name	OJ990620_38.0103.C11.o1.np	Method	AAT/NAP
Start	2116	End	3829
GI	499014	Score	103
Exons	2116..2263, 3793..3829		
GI Descrip.	(X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi|1395188|dbj|BAA10942| (D64067) ABC-type heme transporter subunit [Oryza sativa]		
Seq. No.	8974	Seq. ID	OJ990620_38.0103.C11
Gene No.	19171	Strand	+
Start	2116	End	5528
Name	OJ990620_38.0103.C11.o2.gp	Method	AAT/GAP
Start	2601	End	5440
GI	82047_1.R1084	Score	708
Exons	2601..2925, 5354..5440		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		
Seq. No.	8974	Seq. ID	OJ990620_38.0103.C11
Gene No.	19171	Strand	+
Start	2116	End	5528
Name	OJ990620_38.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	2615	End	5476
GI	none	Score	333
Exons	2615..2950, 2707..2832, 2807..2935, 5352..5444, 5355..5450, 5356..5445, 5357..5476		
Seq. No.	8974	Seq. ID	OJ990620_38.0103.C11
Gene No.	19171	Strand	+
Start	2116	End	5528
Name	OJ990620_38.0103.C11.o2.np	Method	AAT/NAP
Start	2672	End	5528
GI	4678261	Score	320
Exons	2672..2925, 5354..5528		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		
Seq. No.	8974	Seq. ID	OJ990620_38.0103.C11
Gene No.	19171	Strand	+
Start	2116	End	5528
Name	OJ990620_38.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	2678	End	5476
GI	none	Score	251
Exons	2678..2950, 5352..5444, 5355..5453, 5357..5476		
Seq. No.	8974	Seq. ID	OJ990620_38.0103.C11
Gene No.	19171	Strand	+
Start	2116	End	5528
Name	OJ990620_38.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	2681	End	5479
GI	none	Score	213
Exons	2681..2950, 5352..5444, 5355..5444, 5357..5479		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19172	Strand	+
Start	1	End	402
Name	OJ990620_38.0103.C12.o1.gp	Method	AAT/GAP
Start	1	End	402
GI	78815_1.R1084	Score	779
Exons	1..402		
GI Descrip.	'2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]'		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19172	Strand	+
Start	1	End	402
Name	OJ990620_38.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	135
GI	4678261	Score	218
Exons	1..135		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o2.tc	Method	TBLASTX:Cress
Start	1	End	138
GI	none	Score	219
Exons	1..138, 3..137		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o2.tm	Method	TBLASTX:Maize
Start	1	End	138
GI	none	Score	228
Exons	1..138, 2..136, 3..137		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o2.ts	Method	TBLASTX:Soybean
Start	1	End	159
GI	none	Score	224
Exons	1..159, 3..134, 4..141		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o2.gp	Method	AAT/GAP
Start	590	End	1275
GI	37294_1.R1084	Score	1027
Exons	590..918, 1062..1275		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-

Start	870	End	6731
Name	OJ990620_38.0103.C12.o1.gs	Method	GENSCAN
Start	870	End	2524
GI	none	Score	.96
Exons	870..985, 1062..1275, 1772..1858, 1971..2108, 2225..2524		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o2.np	Method	AAT/NAP
Start	1132	End	6731
GI	6728875	Score	440
Exons	1132..1275, 1627..1674, 1772..1858, 1971..2108, 2225..2390, 6707..6731		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	1624	End	2311
GI	none	Score	66
Exons	1624..1674, 1718..1858, 1772..1861, 1969..2109, 1971..2126, 2222..2311, 2226..2291		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	1624	End	2314
GI	none	Score	160
Exons	1624..1674, 1772..1861, 1969..2127, 1971..2126, 2222..2314, 2226..2291		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	1781	End	2327
GI	none	Score	87
Exons	1781..1879, 1781..1861, 1783..1866, 1969..2109, 1971..2108, 2052..2111, 2222..2290, 2222..2305, 2226..2303, 2265..2327		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o3.np	Method	AAT/NAP
Start	1887	End	4556
GI	2130121	Score	108
Exons	1887..1984, 3897..4556		
GI Descrip.	cyclin II - maize gi|516550 (U10077) cyclin IIZm [Zea mays]		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o2.gs	Method	GENSCAN
Start	3666	End	4959

GI	none	Score	.52
Exons	3666..4713, 4847..4959		

Seq. No.	8975	Seq. ID	OJ990620_38.0103.C12
Gene No.	19173	Strand	-
Start	870	End	6731
Name	OJ990620_38.0103.C12.o3.gp	Method	AAT/GAP
Start	5841	End	6092
GI	3761181	Score	432
Exons	5841..6092		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	8976	Seq. ID	OJ990620_38.0103.C13
Gene No.	19174	Strand	+
Start	2757	End	3044
Name	OJ990620_38.0103.C13.o1.gs	Method	GENSCAN
Start	2757	End	3044
GI	none	Score	.89
Exons	2757..3044		

Seq. No.	8976	Seq. ID	OJ990620_38.0103.C13
Gene No.	19175	Strand	-
Start	3374	End	8351
Name	OJ990620_38.0103.C13.o2.gs	Method	GENSCAN
Start	3374	End	7469
GI	none	Score	.69
Exons	3374..3387, 3555..3665, 3744..3991, 5237..5361, 5470..5610, 5697..5835, 7279..7469		

Seq. No.	8976	Seq. ID	OJ990620_38.0103.C13
Gene No.	19175	Strand	-
Start	3374	End	8351
Name	OJ990620_38.0103.C13.o1.gp	Method	AAT/GAP
Start	6296	End	8351
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	6296..6369, 8328..8351		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	8976	Seq. ID	OJ990620_38.0103.C13
Gene No.	19176	Strand	-
Start	9384	End	9826
Name	OJ990620_38.0103.C13.o3.gs	Method	GENSCAN
Start	9384	End	9826
GI	none	Score	.55
Exons	9384..9527, 9671..9826		

Seq. No.	8977	Seq. ID	OJ990620_38.0103.C14
Gene No.	19177	Strand	+
Start	1	End	155
Name	OJ990620_38.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	155
GI	2498930	Score	37
Exons	1..155		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION		

PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	8977	Seq. ID	OJ990620_38.0103.C14
Gene No.	19178	Strand	+
Start	96	End	155
Name	OJ990620_38.0103.C14.o1.gs	Method	GENSCAN
Start	96	End	155
GI	none	Score	.98
Exons	96..155		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19179	Strand	+
Start	311	End	4462
Name	OJ990620_38.0103.C15.o1.gs	Method	GENSCAN
Start	311	End	4462
GI	none	Score	.66
Exons	311..425, 1280..1459, 1977..2027, 2315..2472, 2486..2564, 3055..3197, 3342..3652, 3670..3768, 4306..4462		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o1.np	Method	AAT/NAP
Start	4370	End	6107
GI	6754906	Score	777
Exons	4370..4415, 5221..5410, 5515..6107		
GI Descrip.	nucleotide binding protein 1 gi|6018193|gb|AAF01786.1|AF114170_1 (AF114170) nucleotide-binding protein long form [Mus musculus]		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o1.gp	Method	AAT/GAP
Start	5102	End	5728
GI	36743_1.R1084	Score	1201
Exons	5102..5728		
GI Descrip.	'6018193/gb|AAF01786.1|AF114170_1 5.0e-30 (AF114170) nucleotide-binding protein long form [Mus musculus]'		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	5220	End	6109
GI	none	Score	72
Exons	5220..5345, 5225..5302, 5236..5313, 5295..6086, 5302..6108, 5303..6109		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o2.gs	Method	GENSCAN
Start	5260	End	6107
GI	none	Score	.93
Exons	5260..6107		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15

Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o2.ts	Method	TBLASTX:Soybean
Start	5305	End	5451
GI	none	Score	168
Exons	5305..5451, 5306..5446		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	5501	End	5818
GI	none	Score	269
Exons	5501..5707, 5503..5817, 5504..5818		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	5746	End	6109
GI	none	Score	481
Exons	5746..6108, 5747..6109		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o2.gp	Method	AAT/GAP
Start	5909	End	6107
GI	62555_1.R1084	Score	371
Exons	5909..6107		
GI Descrip.	'4056552/emb|CAA22587| 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]'		

Seq. No.	8978	Seq. ID	OJ990620_38.0103.C15
Gene No.	19180	Strand	-
Start	4370	End	6109
Name	OJ990620_38.0103.C15.o2.tc	Method	TBLASTX:Cress
Start	5920	End	6109
GI	none	Score	213
Exons	5920..6108, 5924..6109		

Seq. No.	8979	Seq. ID	OJ990620_38.0103.C16
Gene No.	19181	Strand	-
Start	1	End	4111
Name	OJ990620_38.0103.C16.o1.gp	Method	AAT/GAP
Start	1	End	354
GI	62555_1.R1084	Score	421
Exons	1..87, 217..354		
GI Descrip.	'4056552/emb|CAA22587| 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]'		

Seq. No.	8979	Seq. ID	OJ990620_38.0103.C16
Gene No.	19181	Strand	-
Start	1	End	4111
Name	OJ990620_38.0103.C16.o1.np	Method	AAT/NAP
Start	1	End	247
GI	2497978	Score	97

Exons	1..87, 217..247		
GI Descrip.	MRP-FAMILY PUTATIVE NUCLEOTIDE-BINDING PROTEIN F10G8.6 gi|3875736|emb|CAB02285.1| (Z80216) similar to nucleotide binding protein; cDNA EST yk331c8.3 comes from this gene; cDNA EST yk331c8.5 comes from this gene; cDNA EST yk331e7.3 comes from this gene; cDNA EST yk331e7.5 comes from this gene; cDNA EST yk39...		

Seq. No.	8979	Seq. ID	OJ990620_38.0103.C16
Gene No.	19181	Strand	-
Start	1	End	4111
Name	OJ990620_38.0103.C16.o1.gs	Method	GENSCAN
Start	110	End	4111
GI	none	Score	.42
Exons	110..365, 1076..1105, 2454..2713, 2945..3158, 3325..3392, 3887..4111		

Seq. No.	8979	Seq. ID	OJ990620_38.0103.C16
Gene No.	19181	Strand	-
Start	1	End	4111
Name	OJ990620_38.0103.C16.o2.np	Method	AAT/NAP
Start	1608	End	3033
GI	5852084	Score	80
Exons	1608..1728, 3001..3033		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	8979	Seq. ID	OJ990620_38.0103.C16
Gene No.	19181	Strand	-
Start	1	End	4111
Name	OJ990620_38.0103.C16.o3.np	Method	AAT/NAP
Start	2192	End	4037
GI	6006359	Score	60
Exons	2192..2247, 3937..4037		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	8980	Seq. ID	OJ990620_38.0103.C18
Gene No.	19182	Strand	-
Start	137	End	577
Name	OJ990620_38.0103.C18.o1.gs	Method	GENSCAN
Start	137	End	577
GI	none	Score	.5
Exons	137..577		

Seq. No.	8981	Seq. ID	OJ990620_38.0103.C20
Gene No.	19183	Strand	-
Start	1	End	323
Name	OJ990620_38.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	323
GI	4559345	Score	124
Exons	1..85, 207..323		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	8981	Seq. ID	OJ990620_38.0103.C20
Gene No.	19183	Strand	-
Start	1	End	323
Name	OJ990620_38.0103.C20.o1.gs	Method	GENSCAN

Start	18	End	317
GI	none	Score	.81
Exons	18..85, 139..317		

Seq. No.	8982	Seq. ID	OJ990620_38.0103.C22
Gene No.	19184	Strand	+
Start	1	End	403
Name	OJ990620_38.0103.C22.o1.np	Method	AAT/NAP
Start	1	End	403
GI	5091513	Score	551
Exons	1..403		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8982	Seq. ID	OJ990620_38.0103.C22
Gene No.	19184	Strand	+
Start	1	End	403
Name	OJ990620_38.0103.C22.o1.gs	Method	GENSCAN
Start	67	End	309
GI	none	Score	.67
Exons	67..136, 200..309		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19185	Strand	+
Start	6514	End	16676
Name	OJ990520_23.0103.C1.o2.np	Method	AAT/NAP
Start	6467	End	14129
GI	5306245	Score	152
Exons	6467..6628, 11699..12196, 14067..14129		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19185	Strand	+
Start	6514	End	16676
Name	OJ990520_23.0103.C1.o3.gs	Method	GENSCAN
Start	6514	End	16676
GI	none	Score	.5
Exons	6514..6835, 8279..8435, 10835..10976, 11893..12027, 13116..13175, 15184..15472, 16411..16458, 16597..16676		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19186	Strand	+
Start	17959	End	18438
Name	OJ990520_23.0103.C1.o4.gs	Method	GENSCAN
Start	17959	End	18438
GI	none	Score	.9
Exons	17959..18041, 18390..18438		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19187	Strand	+
Start	19237	End	20478
Name	OJ990520_23.0103.C1.o3.np	Method	AAT/NAP
Start	19237	End	20478
GI	6721543	Score	100
Exons	19237..19363, 20418..20478		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1

Gene No.	19188	Strand	-
Start	1	End	3480
Name	OJ990520_23.0103.C1.o1.gp	Method	AAT/GAP
Start	1	End	277
GI	LIB3432-012-P1-K1-B6	Score	507
Exons	1..277		
GI Descrip.	'2130082/pir||A57676 1.0e-13 protein kinase Xa21 (EC 2.7.1.-) - rice >gi_1122443 (U37133) receptor kinase-like protein [Oryza sativa] >gi_2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] >gi_1586408_prf__2203451A receptor kinase-like protein [Oryza sativa]'		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19188	Strand	-
Start	1	End	3480
Name	OJ990520_23.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	3438
GI	6522540	Score	1637
Exons	1..220, 453..2549, 2907..3438		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19188	Strand	-
Start	1	End	3480
Name	OJ990520_23.0103.C1.o1.gs	Method	GENSCAN
Start	10	End	3480
GI	none	Score	.92
Exons	10..286, 453..3480		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19189	Strand	-
Start	4532	End	4779
Name	OJ990520_23.0103.C1.o2.gs	Method	GENSCAN
Start	4532	End	4779
GI	none	Score	.99
Exons	4532..4624, 4774..4779		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	105	End	314
GI	none	Score	99
Exons	105..314, 114..287, 130..312		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	150	End	3234
GI	none	Score	76
Exons	150..287, 532..702, 536..700, 736..804, 817..882, 1243..1623, 1288..1629, 1297..1644, 1297..1629, 1297..1629, 1303..1824, 1303..1743, 1345..1629, 1372..1629, 1448..1657, 1636..1827, 1639..1827, 1639..1827, 1657..1824, 1661..1855, 1666..1827, 1790..1909, 1882..2079, 1882..2001, 2122..2184, 2176..2577, 2176..2400, 2176..2298, 2176..2271, 2269..2619, 2287..2604,		

2311..2442, 2311..2601, 2314..2577, 2324..2491, 2395..2610, 2491..2610, 2557..3222, 2599..3234, 2605..2805, 2608..3198, 2608..3135, 2608..3051, 2609..2836, 2680..3087, 2741..3022, 2960..3133, 2962..3231

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	180	End	3288
GI	none	Score	67
Exons	180..287, 532..690, 542..679, 1243..1353, 1252..1635, 1297..1629, 1297..1629, 1297..1629, 1300..1629, 1300..1569, 1303..1644, 1303..1629, 1303..1629, 1303..1635, 1303..1572, 1303..1629, 1306..1629, 1313..1630, 1436..1630, 1519..1584, 1633..1821, 1639..1821, 1658..1906, 1885..2007, 1993..2076, 2011..2070, 2122..2304, 2173..2304, 2176..2280, 2281..2388, 2308..2604, 2311..3150, 2314..2595, 2314..2595, 2320..2610, 2323..2610, 2326..2604, 2533..3222, 2602..2946, 2608..3234, 2608..3087, 2608..3231, 2609..2785, 2680..3231, 2683..3237, 2753..3055, 2773..3237, 2959..3222, 3091..3201, 3253..3288		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	460	End	909
GI	none	Score	257
Exons	460..909, 467..904		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o2.tc	Method	TBLASTX:Cress
Start	706	End	1044
GI	none	Score	140
Exons	706..1044, 713..1039		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	1297	End	3234
GI	none	Score	80
Exons	1297..1629, 1300..1629, 1303..1500, 1357..1629, 1457..1627, 1510..1623, 1639..1821, 1657..1821, 1733..1909, 1808..1996, 1879..2001, 1879..1986, 1879..1983, 1882..2007, 1882..2004, 2170..2271, 2311..2595, 2314..3078, 2324..2563, 2606..2707, 2609..2776, 2671..3150, 2681..3052, 2740..3234, 2747..3007, 2878..3144, 2968..3234, 3025..3222		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	1639	End	3018
GI	none	Score	140

Exons	1639..1728, 1898..2083, 1900..2082, 1919..2083, 2083..2169, 2088..2177, 2090..2173, 2197..2388, 2455..2547, 2914..3018		
Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o2.gp	Method	AAT/GAP
Start	19598	End	20051
GI	LIB3431-045-P1-N1-A10	Score	888
Exons	19598..20051		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o5.gs	Method	GENSCAN
Start	19876	End	22297
GI	none	Score	.64
Exons	19876..20036, 20172..20441, 20505..20687, 20835..21012, 21105..21363, 21440..21516, 22190..22297		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o4.np	Method	AAT/NAP
Start	20155	End	21545
GI	5441880	Score	1221
Exons	20155..20389, 20505..20636, 20727..20750, 20787..20860, 21105..21363, 21440..21545		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o5.np	Method	AAT/NAP
Start	20930	End	22175
GI	6721543	Score	119
Exons	20930..20972, 22043..22175		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297
Name	OJ990520_23.0103.C1.o3.gp	Method	AAT/GAP
Start	21113	End	21545
GI	LIB3475-007-P1-K1-G8	Score	641
Exons	21113..21363, 21440..21545		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	8983	Seq. ID	OJ990520_23.0103.C1
Gene No.	19190	Strand	-
Start	19876	End	22297

Name	OJ990520_23.0103.C1.o4.gp	Method	AAT/GAP
Start	22009	End	22161
GI	7406_1.R1084	Score	217
Exons	22009..22161		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	8984	Seq. ID	OJ990520_23.0103.C2
Gene No.	19191	Strand	-
Start	226	End	3838
Name	OJ990520_23.0103.C2.o1.np	Method	AAT/NAP
Start	226	End	3105
GI	119714	Score	132
Exons	226..457, 2700..3105		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	8984	Seq. ID	OJ990520_23.0103.C2
Gene No.	19191	Strand	-
Start	226	End	3838
Name	OJ990520_23.0103.C2.o1.gs	Method	GENSCAN
Start	274	End	3838
GI	none	Score	.45
Exons	274..545, 2698..2893, 3024..3185, 3702..3838		

Seq. No.	8985	Seq. ID	OJ990520_23.0103.C3
Gene No.	19192	Strand	+
Start	57	End	1747
Name	OJ990520_23.0103.C3.o1.gs	Method	GENSCAN
Start	57	End	1747
GI	none	Score	.87
Exons	57..241, 1680..1747		

Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19193	Strand	+
Start	1898	End	3154
Name	OJ990520_23.0103.C4.o2.gs	Method	GENSCAN
Start	1898	End	3154
GI	none	Score	.74
Exons	1898..2291, 2293..2465, 2482..2669, 2959..3154		

Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19194	Strand	-
Start	81	End	811
Name	OJ990520_23.0103.C4.o1.gs	Method	GENSCAN
Start	81	End	811
GI	none	Score	.58
Exons	81..216, 380..811		

Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19195	Strand	-
Start	3681	End	8197
Name	OJ990520_23.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	3460	End	3827
GI	none	Score	167

Exons	3460..3495, 3501..3716, 3502..3729, 3503..3721, 3528..3725, 3529..3726, 3785..3817, 3786..3818, 3786..3827		
Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19195	Strand	-
Start	3681	End	8197
Name	OJ990520_23.0103.C4.o1.np	Method	AAT/NAP
Start	3681	End	8149
GI	6815097	Score	2921
Exons	3681..4393, 4534..6193, 6308..6913, 7249..8149		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19195	Strand	-
Start	3681	End	8197
Name	OJ990520_23.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	3827	End	4189
GI	none	Score	188
Exons	3827..4189		
Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19195	Strand	-
Start	3681	End	8197
Name	OJ990520_23.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	3848	End	4171
GI	none	Score	190
Exons	3848..4171, 3849..4160		
Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19195	Strand	-
Start	3681	End	8197
Name	OJ990520_23.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	4561	End	5006
GI	5509260	Score	82
Exons	4561..4641, 4569..4640, 4668..4754, 4800..5003, 4821..5006		
GI Descrip.	-		
Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19195	Strand	-
Start	3681	End	8197
Name	OJ990520_23.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	4575	End	4951
GI	none	Score	45
Exons	4575..4640, 4672..4755, 4674..4925, 4800..4919, 4835..4951		
Seq. No.	8986	Seq. ID	OJ990520_23.0103.C4
Gene No.	19195	Strand	-
Start	3681	End	8197
Name	OJ990520_23.0103.C4.o4.gs	Method	GENSCAN
Start	7293	End	8197
GI	none	Score	.46
Exons	7293..7723, 8158..8197		
Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19196	Strand	+
Start	479	End	6324

Name	OJ990520_23.0103.C5.o1.gs	Method	GENSCAN
Start	479	End	6324
GI	none	Score	.87
Exons	479..550, 609..725, 3364..4287, 4506..4662, 4914..5102, 5177..5361, 5437..5626, 5699..5803, 5876..6324		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19196	Strand	+
Start	479	End	6324
Name	OJ990520_23.0103.C5.o1.np	Method	AAT/NAP
Start	3403	End	6321
GI	6691716	Score	2407
Exons	3403..4273, 4471..4662, 4744..4856, 4933..5102, 5186..5361, 5437..5548, 5699..5803, 5876..6321		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19197	Strand	+
Start	21279	End	28991
Name	OJ990520_23.0103.C5.o3.np	Method	AAT/NAP
Start	21279	End	28988
GI	5823018	Score	702
Exons	21279..21365, 27778..28126, 28387..28988		
GI Descrip.	(AF089848) senescence-specific cysteine protease [Brassica napus]		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19197	Strand	+
Start	21279	End	28991
Name	OJ990520_23.0103.C5.o1.gp	Method	AAT/GAP
Start	27529	End	28010
GI	LIB3474-008-P1-K1-H11	Score	920
Exons	27529..28010		
GI Descrip.	'2224810/emb|CAB09698| 1.0e-13 (Z97022) cysteine proteinase [Hordeum vulgare]'		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19197	Strand	+
Start	21279	End	28991
Name	OJ990520_23.0103.C5.o6.gs	Method	GENSCAN
Start	27658	End	28991
GI	none	Score	.88
Exons	27658..28126, 28387..28991		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19198	Strand	-
Start	6640	End	12750
Name	OJ990520_23.0103.C5.o2.gs	Method	GENSCAN
Start	6640	End	12750
GI	none	Score	.94
Exons	6640..9721, 9818..12750		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19198	Strand	-
Start	6640	End	12750

Name	OJ990520_23.0103.C5.o2.np	Method	AAT/NAP
Start	6676	End	12750
GI	5922631	Score	6715
Exons	6676..9203, 9810..10733, 10860..11011, 11054..11618, 11664..11873, 12123..12367, 12626..12750		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19199	Strand	-
Start	15079	End	15582
Name	OJ990520_23.0103.C5.o3.gs	Method	GENSCAN
Start	15079	End	15582
GI	none	Score	.89
Exons	15079..15582		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o10.tw	Method	TBLASTX:Wheat
Start	3523	End	3813
GI	none	Score	217
Exons	3523..3813		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o5.tw	Method	TBLASTX:Wheat
Start	6652	End	7266
GI	none	Score	75
Exons	6652..6789, 6775..6933, 6988..7266, 7004..7111, 7157..7246		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	6689	End	6924
GI	none	Score	104
Exons	6689..6793, 6691..6792, 6772..6924		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o7.tm	Method	TBLASTX:Maize
Start	7036	End	7309
GI	none	Score	56
Exons	7036..7122, 7132..7215, 7145..7219, 7202..7309, 7210..7308		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o3.tw	Method	TBLASTX:Wheat

Start	7381	End	7768
GI	none	Score	114
Exons	7381..7572, 7381..7767, 7457..7768		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	7411	End	7774
GI	none	Score	67
Exons	7411..7458, 7412..7459, 7439..7585, 7450..7773, 7463..7774		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o11.tw	Method	TBLASTX:Wheat
Start	7771	End	8070
GI	none	Score	130
Exons	7771..7911, 7936..8070		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o6.tm	Method	TBLASTX:Maize
Start	8002	End	8256
GI	none	Score	193
Exons	8002..8256		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o4.tw	Method	TBLASTX:Wheat
Start	8086	End	8508
GI	none	Score	266
Exons	8086..8508, 8096..8500		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	8129	End	8517
GI	none	Score	157
Exons	8129..8509, 8131..8373, 8413..8517		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o9.tw	Method	TBLASTX:Wheat
Start	8508	End	8794
GI	none	Score	70
Exons	8508..8606, 8512..8793, 8524..8658, 8717..8794		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	8632	End	9076

GI	none	Score	89
Exons	8632..8658, 8656..8799, 8669..8800, 8815..9051, 8821..9075, 8822..9076		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	8743	End	9144
GI	none	Score	123
Exons	8743..9144, 8984..9127		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	8798	End	9222
GI	none	Score	287
Exons	8798..9178, 8798..9157, 8812..9222		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	9307	End	9663
GI	none	Score	210
Exons	9307..9663, 9317..9616		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	9337	End	9792
GI	none	Score	257
Exons	9337..9792, 9338..9757, 9367..9765		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o4.ts	Method	TBLASTX:Soybean
Start	9388	End	9753
GI	none	Score	134
Exons	9388..9522, 9529..9753		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o6.tw	Method	TBLASTX:Wheat
Start	10013	End	10470
GI	none	Score	150
Exons	10013..10249, 10015..10245, 10294..10470		

Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o8.tw	Method	TBLASTX:Wheat
Start	11047	End	11449

GI	none	Score	115
Exons	11047..11448, 11180..11449		
Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19200	Strand	-
Start	24925	End	26544
Name	OJ990520_23.0103.C5.o5.gs	Method	GENSCAN
Start	24925	End	26544
GI	none	Score	.56
Exons	24925..24997, 25256..25395, 25415..25575, 25661..25713, 26225..26544		
Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19201	Strand	
Start	27727	End	29064
Name	OJ990520_23.0103.C5.o8.tm	Method	TBLASTX:Maize
Start	27727	End	27990
GI	none	Score	150
Exons	27727..27915, 27810..27914, 27910..27990, 27920..27982		
Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19201	Strand	
Start	27727	End	29064
Name	OJ990520_23.0103.C5.o7.tw	Method	TBLASTX:Wheat
Start	27781	End	28916
GI	none	Score	107
Exons	27781..27918, 27919..28002, 28063..28116, 28385..28486, 28386..28487, 28509..28733, 28647..28748, 28737..28775, 28797..28847, 28853..28909, 28854..28916		
Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19201	Strand	
Start	27727	End	29064
Name	OJ990520_23.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	27790	End	29064
GI	none	Score	138
Exons	27790..27990, 28024..28128, 28391..28492, 28392..28493, 28500..28775, 28631..28774, 28796..28981, 28797..28982, 29008..29064		
Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19201	Strand	
Start	27727	End	29064
Name	OJ990520_23.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	27925	End	28985
GI	none	Score	60
Exons	27925..27990, 28048..28128, 28380..28478, 28388..28501, 28389..28502, 28472..28567, 28497..28775, 28628..28774, 28797..28985, 28799..28981		
Seq. No.	8987	Seq. ID	OJ990520_23.0103.C5
Gene No.	19201	Strand	
Start	27727	End	29064
Name	OJ990520_23.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	27997	End	28940
GI	none	Score	88
Exons	27997..28128, 28026..28115, 28391..28564, 28392..28592,		

28637..28756, 28638..28775, 28730..28909, 28776..28940

Seq. No.	8988	Seq. ID	OJ990520_23.0103.C6
Gene No.	19202	Strand	+
Start	2773	End	2872
Name	OJ990520_23.0103.C6.o1.gs	Method	GENSCAN
Start	2773	End	2872
GI	none	Score	.59
Exons	2773..2872		

Seq. No.	8988	Seq. ID	OJ990520_23.0103.C6
Gene No.	19203	Strand	-
Start	2898	End	3190
Name	OJ990520_23.0103.C6.o1.gp	Method	AAT/GAP
Start	2898	End	3190
GI	72524_1.R1084	Score	423
Exons	2898..3190		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	8989	Seq. ID	OJ990520_23.0103.C8
Gene No.	19204	Strand	+
Start	31	End	382
Name	OJ990520_23.0103.C8.o1.gs	Method	GENSCAN
Start	31	End	382
GI	none	Score	.62
Exons	31..160, 309..382		

Seq. No.	8989	Seq. ID	OJ990520_23.0103.C8
Gene No.	19205	Strand	-
Start	107	End	3799
Name	OJ990520_23.0103.C8.o1.np	Method	AAT/NAP
Start	107	End	3799
GI	5091513	Score	825
Exons	107..142, 756..1037, 2169..2700, 3444..3799		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	8989	Seq. ID	OJ990520_23.0103.C8
Gene No.	19205	Strand	-
Start	107	End	3799
Name	OJ990520_23.0103.C8.o2.gs	Method	GENSCAN
Start	518	End	2691
GI	none	Score	.56
Exons	518..945, 1511..1670, 2269..2691		

Seq. No.	8989	Seq. ID	OJ990520_23.0103.C8
Gene No.	19206	Strand	-
Start	5029	End	5339
Name	OJ990520_23.0103.C8.o1.gp	Method	AAT/GAP
Start	5029	End	5339
GI	72524_1.R1084	Score	429
Exons	5029..5339		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	8989	Seq. ID	OJ990520_23.0103.C8
Gene No.	19207	Strand	-

Start	7281	End	7915
Name	OJ990520_23.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	1111	End	2143
GI	none	Score	98
Exons	1111..1227, 1112..1216, 1202..1336, 1210..1287, 1210..1338, 1211..1339, 1686..1784, 1686..1802, 1687..1791, 1785..1826, 1785..1826, 1915..2031, 1916..2020, 2006..2140, 2014..2091, 2014..2142, 2015..2143		

Seq. No.	8989	Seq. ID	OJ990520_23.0103.C8
Gene No.	19207	Strand	-
Start	7281	End	7915
Name	OJ990520_23.0103.C8.o2.gp	Method	AAT/GAP
Start	7281	End	7915
GI	15296_1.R1084	Score	891
Exons	7281..7704, 7832..7915		
GI Descrip.	'3023947/sp|P56521|HDAC_MAIZE 8.0e-21 PROBABLE HISTONE DEACETYLASE (RPD3 HOMOLOG) >gi_2665840 (AF035815) putative histone deacetylase RPD3 [Zea mays]'		

Seq. No.	8989	Seq. ID	OJ990520_23.0103.C8
Gene No.	19207	Strand	-
Start	7281	End	7915
Name	OJ990520_23.0103.C8.o2.np	Method	AAT/NAP
Start	7600	End	7915
GI	3023947	Score	100
Exons	7600..7704, 7832..7915		
GI Descrip.	PROBABLE HISTONE DEACETYLASE (RPD3 HOMOLOG) gi|2665840 (AF035815) putative histone deacetylase RPD3 [Zea mays]		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19208	Strand	-
Start	772	End	3450
Name	OJ990520_23.0103.C9.o1.gp	Method	AAT/GAP
Start	772	End	1686
GI	15296_1.R1084	Score	371
Exons	772..837, 931..1022, 1576..1686		
GI Descrip.	'3023947/sp|P56521|HDAC_MAIZE 8.0e-21 PROBABLE HISTONE DEACETYLASE (RPD3 HOMOLOG) >gi_2665840 (AF035815) putative histone deacetylase RPD3 [Zea mays]'		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19208	Strand	-
Start	772	End	3450
Name	OJ990520_23.0103.C9.o1.gs	Method	GENSCAN
Start	774	End	3319
GI	none	Score	.93
Exons	774..837, 931..1022, 1576..1806, 2468..2704, 2780..3319		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19208	Strand	-
Start	772	End	3450
Name	OJ990520_23.0103.C9.o1.np	Method	AAT/NAP
Start	788	End	3322
GI	3023947	Score	1938
Exons	788..834, 931..1022, 1576..1806, 2264..2704, 2780..3322		
GI Descrip.	PROBABLE HISTONE DEACETYLASE (RPD3 HOMOLOG) gi|2665840		

(AF035815) putative histone deacetylase RPD3 [Zea mays]

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19208	Strand	-
Start	772	End	3450
Name	OJ990520_23.0103.C9.o2.gp	Method	AAT/GAP
Start	2579	End	3450
GI	31559_1.R1084	Score	1054
Exons	2579..2704, 2780..3369, 3419..3450		
GI Descrip.	'3023945/sp|O22446|HDAC_ARATH 2.0e-81 HISTONE DEACETYLASE (HD) >gi_2318131 (AF014824) histone deacetylase [Arabidopsis thaliana]'		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19208	Strand	-
Start	772	End	3450
Name	OJ990520_23.0103.C9.o3.gp	Method	AAT/GAP
Start	2954	End	3391
GI	31559_2.R1084	Score	868
Exons	2954..3391		
GI Descrip.	'4467119/emb|CAB37553| 5.0e-56 (AL035538) Histone deacetylase [Arabidopsis thaliana]'		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	917	End	2965
GI	none	Score	77
Exons	917..1024, 920..1024, 930..1025, 1567..1809, 1613..1807, 1675..1809, 2263..2457, 2264..2707, 2265..2654, 2780..2965, 2790..2960		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	1567	End	3411
GI	none	Score	194
Exons	1567..1809, 1610..1807, 1681..1809, 1697..1816, 2264..2707, 2265..2705, 2780..2896, 2790..2897, 2862..3275, 2900..3295, 3388..3411		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o3.ts	Method	TBLASTX:Soybean
Start	1576	End	2356
GI	none	Score	211
Exons	1576..1809, 1610..1807, 2264..2347, 2264..2356, 2265..2354		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o4.tw	Method	TBLASTX:Wheat
Start	1685	End	1809
GI	none	Score	151

Exons	1685..1807, 1687..1809, 1699..1809		
Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	2260	End	2551
GI	none	Score	82
Exons	2260..2457, 2264..2551, 2265..2546		
Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	2450	End	3295
GI	none	Score	232
Exons	2450..2707, 2460..2705, 2780..2896, 2790..2897, 2900..3295, 2901..3275		
Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	2966	End	3313
GI	none	Score	406
Exons	2966..3313, 2967..3275		
Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o4.gp	Method	AAT/GAP
Start	7362	End	8057
GI	3759647	Score	1289
Exons	7362..8057		
Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o2.gs	Method	GENSCAN
Start	8234	End	9514
GI	none	Score	.96
Exons	8234..9514		
Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o2.np	Method	AAT/NAP
Start	8249	End	9520
GI	4581110	Score	924
Exons	8249..9520		
GI Descrip.	(AC005825) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o2.ts	Method	TBLASTX:Soybean

Start	8264	End	8908
GI	none	Score	37
Exons	8264..8488, 8394..8483, 8516..8908, 8604..8717, 8823..8906		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o2.tc	Method	TBLASTX:Cress
Start	8300	End	8929
GI	none	Score	97
Exons	8300..8497, 8513..8635, 8747..8929		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	8318	End	8920
GI	none	Score	277
Exons	8318..8491, 8513..8920		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o2.tw	Method	TBLASTX:Wheat
Start	8672	End	9103
GI	none	Score	122
Exons	8672..8929, 8933..9103		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	9038	End	9469
GI	none	Score	34
Exons	9038..9364, 9084..9128, 9237..9365, 9386..9469		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o3.tw	Method	TBLASTX:Wheat
Start	9107	End	9469
GI	none	Score	53
Exons	9107..9277, 9272..9373, 9374..9469, 9375..9455		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o4.ts	Method	TBLASTX:Soybean
Start	9182	End	9469
GI	none	Score	70
Exons	9182..9364, 9240..9398, 9389..9469		

Seq. No.	8990	Seq. ID	OJ990520_23.0103.C9
Gene No.	19209	Strand	-
Start	8234	End	9520
Name	OJ990520_23.0103.C9.o5.gp	Method	AAT/GAP
Start	9203	End	9439

GI	1621496	Score	462
Exons	9203..9439		
GI Descrip.	1621497/dbj|BAA12904| 2.0e-42 (D85878) reverse transcriptase [Oryza sativa]		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19210	Strand	+
Start	2785	End	6933
Name	OJ990520_23.0103.C10.o2.np	Method	AAT/NAP
Start	2785	End	6933
GI	2586083	Score	1861
Exons	2785..2869, 4082..6409, 6555..6933		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o1.gs	Method	GENSCAN
Start	18	End	2925
GI	none	Score	.76
Exons	18..2925		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o1.gp	Method	AAT/GAP
Start	28	End	497
GI	none	Score	888
Exons	28..497		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o7.tm	Method	TBLASTX:Maize
Start	103	End	303
GI	none	Score	84
Exons	103..303, 116..208, 124..303		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o2.tc	Method	TBLASTX:Cress
Start	658	End	1101
GI	none	Score	277
Exons	658..1101		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o3.tm	Method	TBLASTX:Maize
Start	661	End	1299
GI	none	Score	61
Exons	661..1227, 914..1090, 1228..1299		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925

Name	OJ990520_23.0103.C10.o3.ts	Method	TBLASTX:Soybean
Start	709	End	1119
GI	none	Score	71
Exons	709..963, 709..1119, 905..1036		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o2.tw	Method	TBLASTX:Wheat
Start	721	End	1335
GI	none	Score	67
Exons	721..816, 889..1335, 989..1141, 1202..1321		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o5.tm	Method	TBLASTX:Maize
Start	1345	End	1522
GI	none	Score	132
Exons	1345..1515, 1355..1522		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o3.tw	Method	TBLASTX:Wheat
Start	1612	End	1961
GI	none	Score	90
Exons	1612..1782, 1613..1780, 1718..1795, 1792..1938, 1904..1939, 1905..1961		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19211	Strand	-
Start	18	End	2925
Name	OJ990520_23.0103.C10.o4.tm	Method	TBLASTX:Maize
Start	1615	End	1809
GI	none	Score	79
Exons	1615..1776, 1615..1809, 1616..1807		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19212	Strand	
Start	3685	End	6907
Name	OJ990520_23.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	3685	End	6649
GI	none	Score	103
Exons	3685..3873, 3688..4170, 3697..3804, 3697..4386, 3697..3969, 3700..3954, 3712..4026, 3745..3879, 3784..4098, 3817..4440, 3817..3987, 3852..4160, 3856..4161, 3925..4509, 3928..4074, 3931..4245, 3949..4509, 3949..4131, 3958..4017, 3972..4151, 4003..4305, 4021..4203, 4075..4386, 4093..4275, 4114..4161, 4147..4440, 4168..4356, 4177..4521, 4219..4509, 4237..4419, 4363..4518, 4384..4527, 4390..4596, 4489..4710, 4534..4611, 4534..4695, 4540..4680, 4540..4761, 4540..4752, 4540..4716, 4540..4716, 4540..4710, 4540..4713, 4753..4830, 4765..5028, 4783..5124, 4840..5133, 4843..5130, 4846..5127, 4846..4989, 4846..5136, 4849..5121, 4849..5121, 4873..5181, 4884..5360, 4885..5541, 4912..5100, 4947..5111, 4956..5180, 4990..5055, 5032..5127, 5119..5478, 5131..5544, 5134..5274, 5134..5547,		

5134..5541, 5149..5547, 5152..5415, 5233..5322, 5236..5469,
5238..5471, 5269..5547, 5317..5544, 5413..5541, 5494..5541,
5569..5601, 5704..5823, 5974..6054, 6067..6126, 6157..6393,
6554..6649

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19212	Strand	
Start	3685	End	6907
Name	OJ990520_23.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	3685	End	5547
GI	none	Score	303

Exons 3685..4347, 3685..3774, 3736..4422, 3808..4440, 3922..4521,
3924..4019, 3970..4545, 4062..4151, 4131..4439, 4165..4509,
4534..4596, 4540..4761, 4549..4716, 4549..4716, 4549..4758,
4549..4716, 4559..4588, 4603..4716, 4825..5130, 4843..5127,
4852..5127, 4858..5127, 5062..5124, 5080..5541, 5134..5541,
5134..5541, 5149..5304, 5158..5451, 5158..5538, 5230..5547,
5338..5547, 5385..5546

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19212	Strand	
Start	3685	End	6907
Name	OJ990520_23.0103.C10.o2.ts	Method	TBLASTX:Soybean
Start	3685	End	5604
GI	none	Score	197

Exons 3685..4158, 3685..4080, 3685..3807, 3697..4374, 3739..4215,
3763..4440, 3817..4224, 3835..4710, 3921..4079, 3922..4296,
3924..4022, 3961..4368, 3990..4163, 3996..4223, 4003..4125,
4042..4503, 4062..4295, 4114..4509, 4137..4367, 4147..4260,
4206..4502, 4219..4338, 4242..4391, 4531..4716, 4564..4725,
4564..4716, 4576..4761, 4582..4707, 4606..4737, 4771..5112,
4806..5051, 4849..5127, 4849..5067, 4873..5112, 4884..5111,
4915..5136, 4945..5124, 4950..5129, 4953..5111, 4956..5111,
4963..5082, 5028..5126, 5034..5126, 5035..5124, 5134..5604,
5134..5469, 5134..5547, 5134..5469, 5143..5451, 5143..5541,
5160..5396, 5230..5541, 5235..5399, 5235..5348, 5236..5547,
5427..5546, 5460..5603

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19212	Strand	
Start	3685	End	6907
Name	OJ990520_23.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	3697	End	5127
GI	none	Score	72

Exons 3697..3852, 3697..3813, 3745..3876, 3769..3801, 3922..4074,
3949..4131, 4093..4251, 4168..4347, 4237..4419, 4486..4893,
4654..4764, 4984..5127

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19212	Strand	
Start	3685	End	6907
Name	OJ990520_23.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	5815	End	6907
GI	none	Score	89

Exons 5815..5907, 5820..5906, 5920..6123, 5925..6113, 6160..6369,
6193..6324, 6515..6739, 6553..6657, 6824..6907

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19212	Strand	
Start	3685	End	6907
Name	OJ990520_23.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	5953	End	6399
GI	none	Score	408
Exons	5953..6399, 5958..6314		

Seq. No.	8991	Seq. ID	OJ990520_23.0103.C10
Gene No.	19212	Strand	
Start	3685	End	6907
Name	OJ990520_23.0103.C10.o6.tm	Method	TBLASTX:Maize
Start	6544	End	6907
GI	none	Score	172
Exons	6544..6663, 6554..6790, 6770..6907		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19213	Strand	+
Start	4767	End	6487
Name	OJ990520_23.0103.C11.o1.gp	Method	AAT/GAP
Start	4767	End	5781
GI	31667_1.R1084	Score	1509
Exons	4767..4824, 4944..5166, 5249..5781		
GI Descrip.	'730290/sp|P40973|PEL_LILLO 6.0e-65 PECTATE LYASE PRECURSOR >gi_322883_pir__S29612 pectate lyase - trumpet lily >gi_19451_emb_CAA78976_ (Z17328) pectate lyase [Lilium longiflorum] >gi_308902 (L18911) pectate lyase [Lilium longiflorum]'		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19213	Strand	+
Start	4767	End	6487
Name	OJ990520_23.0103.C11.o3.gs	Method	GENSCAN
Start	4946	End	6487
GI	none	Score	.99
Exons	4946..5389, 5400..6013, 6127..6487		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19213	Strand	+
Start	4767	End	6487
Name	OJ990520_23.0103.C11.o1.np	Method	AAT/NAP
Start	4976	End	6484
GI	730290	Score	1408
Exons	4976..5215, 5307..6013, 6127..6484		
GI Descrip.	PECTATE LYASE PRECURSOR gi|322883|pir||S29612 pectate lyase - trumpet lily gi|19451|emb|CAA78976| (Z17328) pectate lyase [Lilium longiflorum] gi|308902 (L18911) pectate lyase [Lilium longiflorum]		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19214	Strand	+
Start	8625	End	9906
Name	OJ990520_23.0103.C11.o4.gs	Method	GENSCAN
Start	8625	End	9906
GI	none	Score	.74
Exons	8625..8762, 8770..8928, 8940..9221, 9228..9355, 9542..9779, 9799..9906		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19214	Strand	+
Start	8625	End	9906
Name	OJ990520_23.0103.C11.o2.np	Method	AAT/NAP
Start	8709	End	9903
GI	2281334	Score	880
Exons	8709..9440, 9542..9903		
GI Descrip.	(U83619) putative pectate lyase [Arabidopsis thaliana]		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19214	Strand	+
Start	8625	End	9906
Name	OJ990520_23.0103.C11.o3.np	Method	AAT/NAP
Start	8716	End	9903
GI	4753655	Score	871
Exons	8716..9440, 9542..9903		
GI Descrip.	(AL049751) pectate lyase like protein [Arabidopsis thaliana]		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19214	Strand	+
Start	8625	End	9906
Name	OJ990520_23.0103.C11.o4.np	Method	AAT/NAP
Start	9582	End	9903
GI	405533	Score	328
Exons	9582..9903		
GI Descrip.	(L20139) homology with pectate lyase [Zea mays]		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19215	Strand	-
Start	2881	End	4523
Name	OJ990520_23.0103.C11.o2.gs	Method	GENSCAN
Start	2881	End	4523
GI	none	Score	.52
Exons	2881..3021, 3052..3190, 4480..4523		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19216	Strand	-
Start	6452	End	9953
Name	OJ990520_23.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	4973	End	9906
GI	none	Score	78
Exons	4973..5203, 5289..5654, 5306..5434, 5403..5531, 5603..6010, 5706..6029, 6125..6367, 6133..6366, 6392..6487, 8713..8916, 8730..8915, 8910..9077, 8931..9050, 9032..9301, 9129..9302, 9304..9456, 9381..9413, 9519..9665, 9540..9743, 9548..9724, 9811..9906		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19216	Strand	-
Start	6452	End	9953
Name	OJ990520_23.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	4984	End	5179
GI	none	Score	50
Exons	4984..5028, 4985..5029, 5011..5175, 5024..5179		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11

Gene No.	19216	Strand	-
Start	6452	End	9953
Name	OJ990520_23.0103.C11.o3.tw	Method	TBLASTX:Wheat
Start	4994	End	5171
GI	none	Score	185
Exons	4994..5167, 5015..5167, 5139..5171		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19216	Strand	-
Start	6452	End	9953
Name	OJ990520_23.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	5259	End	9909
GI	none	Score	414
Exons	5259..5654, 5306..5539, 5603..6013, 5712..6014, 5946..6014, 6124..6489, 6125..6490, 8650..8916, 8676..8915, 8734..8937, 8910..9077, 8910..9044, 9029..9301, 9138..9302, 9303..9440, 9304..9441, 9539..9685, 9539..9730, 9540..9737, 9732..9908, 9733..9909		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19216	Strand	-
Start	6452	End	9953
Name	OJ990520_23.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	5298	End	9953
GI	none	Score	422
Exons	5298..5627, 5303..5620, 5627..6013, 5712..6014, 5943..6014, 6124..6279, 6124..6489, 6125..6487, 6364..6492, 8722..8916, 8727..8915, 8912..8965, 8913..9050, 8916..9050, 9050..9298, 9138..9302, 9304..9441, 9370..9441, 9539..9694, 9539..9730, 9540..9731, 9732..9905, 9732..9953, 9733..9951		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19216	Strand	-
Start	6452	End	9953
Name	OJ990520_23.0103.C11.o1.tw	Method	TBLASTX:Wheat
Start	5604	End	9378
GI	none	Score	426
Exons	5604..5951, 5604..5654, 5606..5932, 9029..9301, 9030..9302, 9304..9378, 9305..9355		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19216	Strand	-
Start	6452	End	9953
Name	OJ990520_23.0103.C11.o2.tw	Method	TBLASTX:Wheat
Start	6221	End	9909
GI	none	Score	359
Exons	6221..6505, 6223..6504, 9636..9743, 9638..9730, 9732..9905, 9732..9908, 9733..9909		

Seq. No.	8992	Seq. ID	OJ990520_23.0103.C11
Gene No.	19216	Strand	-
Start	6452	End	9953
Name	OJ990520_23.0103.C11.o2.gp	Method	AAT/GAP
Start	6452	End	6939
GI	none	Score	869
Exons	6452..6939		

Seq. No.	8993	Seq. ID	OJ990520_23.0103.C12
Gene No.	19217	Strand	-
Start	1102	End	4738
Name	OJ990520_23.0103.C12.o1.gs	Method	GENSCAN
Start	1102	End	4738
GI	none	Score	.83
Exons	1102..1434, 1661..1728, 1971..2167, 2402..2501, 3821..3914, 4548..4738		

Seq. No.	8994	Seq. ID	OJ990520_23.0103.C15
Gene No.	19218	Strand	+
Start	411	End	639
Name	OJ990520_23.0103.C15.o1.gs	Method	GENSCAN
Start	411	End	639
GI	none	Score	.51
Exons	411..423, 536..639		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19219	Strand	+
Start	1	End	2084
Name	OJ990430_25.0114.C1.o1.np	Method	AAT/NAP
Start	1	End	706
GI	130582	Score	478
Exons	1..706		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19219	Strand	+
Start	1	End	2084
Name	OJ990430_25.0114.C1.o1.gs	Method	GENSCAN
Start	220	End	2084
GI	none	Score	.81
Exons	220..334, 1556..1683, 2041..2084		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19220	Strand	+
Start	8359	End	16102
Name	OJ990430_25.0114.C1.o3.gs	Method	GENSCAN
Start	8359	End	14968
GI	none	Score	.64
Exons	8359..8554, 9574..10532, 11431..11718, 13200..13229, 13289..13474, 14225..14430, 14800..14968		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19220	Strand	+
Start	8359	End	16102
Name	OJ990430_25.0114.C1.o2.np	Method	AAT/NAP
Start	8374	End	10565
GI	5921766	Score	937
Exons	8374..8554, 9574..10565		
GI Descrip.	CHALCONE SYNTHASE 8 (NARINGENIN-CHALCONE SYNTHASE 8) gi|2253119 (AF007099) chalcone synthase [Bromheadia finlaysoniana]		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1

Gene No.	19220	Strand	+
Start	8359	End	16102
Name	OJ990430_25.0114.C1.o3.np	Method	AAT/NAP
Start	9967	End	16102
GI	4680203	Score	449
Exons	9967..10027, 11974..12161, 12419..12463, 13503..13738, 14016..14830, 15999..16102		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19220	Strand	+
Start	8359	End	16102
Name	OJ990430_25.0114.C1.o2.gp	Method	AAT/GAP
Start	10401	End	10685
GI	3106823	Score	558
Exons	10401..10685		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19221	Strand	-
Start	1771	End	2383
Name	OJ990430_25.0114.C1.o1.gp	Method	AAT/GAP
Start	1771	End	2383
GI	uC-osflcyp039h04b1	Score	303
Exons	1771..1833, 2212..2383		
GI Descrip.	'1617274/emb|CAA96522| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19222	Strand	-
Start	4568	End	5632
Name	OJ990430_25.0114.C1.o2.gs	Method	GENSCAN
Start	4568	End	5632
GI	none	Score	.4
Exons	4568..4736, 5235..5351, 5547..5632		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o3.tm	Method	TBLASTX:Maize
Start	1	End	287
GI	none	Score	170
Exons	1..225, 2..226, 2..226, 3..230, 228..287		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o2.tw	Method	TBLASTX:Wheat
Start	311	End	667
GI	none	Score	110
Exons	311..460, 313..456, 479..667, 487..645		

Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o4.tm	Method	TBLASTX:Maize
Start	311	End	697
GI	none	Score	110

Exons	311..454, 328..696, 378..629, 479..697, 509..697		
Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o2.ts	Method	TBLASTX:Soybean
Start	314	End	697
GI	none	Score	210
Exons	314..574, 320..442, 325..573, 578..697		
Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o1.tc	Method	TBLASTX:Cress
Start	8407	End	10544
GI	none	Score	166
Exons	8407..8556, 8412..8555, 9546..10013, 9578..10006, 10083..10274, 10272..10463, 10274..10402, 10479..10544, 10484..10543		
Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o1.ts	Method	TBLASTX:Soybean
Start	8407	End	10544
GI	none	Score	156
Exons	8407..8559, 8418..8561, 9546..10013, 9581..9889, 10011..10274, 10013..10285, 10272..10463, 10274..10402, 10440..10544, 10484..10534		
Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o1.tm	Method	TBLASTX:Maize
Start	8407	End	10544
GI	none	Score	181
Exons	8407..8556, 8412..8555, 9546..10013, 9578..10003, 10011..10274, 10013..10285, 10272..10463, 10274..10402, 10440..10544		
Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o2.tm	Method	TBLASTX:Maize
Start	13604	End	13987
GI	none	Score	55
Exons	13604..13672, 13648..13986, 13676..13987		
Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-
Start	15199	End	15537
Name	OJ990430_25.0114.C1.o1.tw	Method	TBLASTX:Wheat
Start	13628	End	14830
GI	none	Score	44
Exons	13628..13696, 13742..14029, 13995..14153, 14003..14152, 14168..14344, 14443..14550, 14539..14643, 14768..14830		
Seq. No.	8995	Seq. ID	OJ990430_25.0114.C1
Gene No.	19223	Strand	-

Start	15199	End	15537
Name	OJ990430_25.0114.C1.o4.gs	Method	GENSCAN
Start	15199	End	15537
GI	none	Score	.8
Exons	15199..15537		

Seq. No.	8996	Seq. ID	OJ990430_25.0114.C2
Gene No.	19224	Strand	+
Start	1921	End	4906
Name	OJ990430_25.0114.C2.o1.gs	Method	GENSCAN
Start	1921	End	4906
GI	none	Score	.67
Exons	1921..2116, 2462..2576, 2655..2944, 3077..3319, 4189..4375, 4714..4906		

Seq. No.	8996	Seq. ID	OJ990430_25.0114.C2
Gene No.	19225	Strand	+
Start	7401	End	11149
Name	OJ990430_25.0114.C2.o1.tc	Method	TBLASTX:Cress
Start	1933	End	9595
GI	none	Score	170
Exons	1933..2118, 1974..2117, 2368..2784, 2374..2751, 2439..2789, 2791..2850, 2791..2835, 2863..3054, 3054..3182, 3058..3243, 3261..3323, 3262..3324, 7413..7598, 7454..7597, 8597..9064, 8710..8940, 9064..9123, 9127..9318, 9131..9325, 9323..9514, 9325..9453, 9532..9594, 9533..9595		

Seq. No.	8996	Seq. ID	OJ990430_25.0114.C2
Gene No.	19225	Strand	+
Start	7401	End	11149
Name	OJ990430_25.0114.C2.o1.tm	Method	TBLASTX:Maize
Start	1969	End	9595
GI	none	Score	181
Exons	1969..2118, 1974..2117, 2368..2784, 2415..2783, 2791..3054, 2835..3065, 3054..3182, 3058..3243, 3262..3324, 7449..7598, 7454..7597, 8597..9064, 8686..8919, 8925..8993, 9062..9325, 9064..9336, 9323..9514, 9323..9517, 9325..9564, 9533..9595		

Seq. No.	8996	Seq. ID	OJ990430_25.0114.C2
Gene No.	19225	Strand	+
Start	7401	End	11149
Name	OJ990430_25.0114.C2.o1.ts	Method	TBLASTX:Soybean
Start	1969	End	9595
GI	none	Score	157
Exons	1969..2124, 1980..2117, 2368..2784, 2368..2568, 2415..2669, 2659..2751, 2791..3054, 2838..3065, 3054..3182, 3058..3243, 3261..3314, 3262..3324, 7449..7604, 8597..9064, 8686..9057, 9062..9325, 9064..9336, 9323..9514, 9325..9486, 9532..9585, 9533..9595		

Seq. No.	8996	Seq. ID	OJ990430_25.0114.C2
Gene No.	19225	Strand	+
Start	7401	End	11149
Name	OJ990430_25.0114.C2.o2.gs	Method	GENSCAN
Start	7401	End	11149
GI	none	Score	.49
Exons	7401..7596, 8625..8847, 8926..9583, 10531..10629, 10844..10948,		

11051..11149

Seq. No.	8996	Seq. ID	OJ990430_25.0114.C2
Gene No.	19225	Strand	+
Start	7401	End	11149
Name	OJ990430_25.0114.C2.o1.np	Method	AAT/NAP
Start	7416	End	9616
GI	5921766	Score	946
Exons	7416..7596, 8625..9616		
GI Descrip.	CHALCONE SYNTHASE 8 (NARINGENIN-CHALCONE SYNTHASE 8) gi|2253119 (AF007099) chalcone synthase [Bromheadia finlaysoniana]		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19226	Strand	+
Start	6050	End	7550
Name	OJ990430_25.0114.C5.o2.gs	Method	GENSCAN
Start	6050	End	7550
GI	none	Score	.69
Exons	6050..6162, 6971..7133, 7230..7550		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19227	Strand	+
Start	11464	End	14674
Name	OJ990430_25.0114.C5.o4.gs	Method	GENSCAN
Start	11464	End	14652
GI	none	Score	.63
Exons	11464..11567, 11851..11893, 13047..13408, 13669..14070, 14093..14257, 14334..14652		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19227	Strand	+
Start	11464	End	14674
Name	OJ990430_25.0114.C5.o2.np	Method	AAT/NAP
Start	13020	End	14674
GI	6539588	Score	176
Exons	13020..13322, 14638..14674		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19228	Strand	-
Start	8169	End	11292
Name	OJ990430_25.0114.C5.o1.np	Method	AAT/NAP
Start	8163	End	10043
GI	6166036	Score	1277
Exons	8163..9185, 9681..10043		
GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi|1707857|emb|CAA70475| (Y09291) obtusifoliol 14-alpha-demethylase [Triticum aestivum]		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19228	Strand	-
Start	8169	End	11292
Name	OJ990430_25.0114.C5.o3.gs	Method	GENSCAN
Start	8169	End	10166
GI	none	Score	.64
Exons	8169..9185, 9681..10166		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19228	Strand	-
Start	8169	End	11292
Name	OJ990430_25.0114.C5.o1.gp	Method	AAT/GAP
Start	9894	End	11292
GI	uC-osf1M202083e11b1	Score	547
Exons	9894..10185, 11236..11292		
GI Descrip.	'4972088/emb|CAB43884.1| 7.0e-18 (AL078468) putative protein [Arabidopsis thaliana]'		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o3.tc	Method	TBLASTX:Cress
Start	8169	End	8372
GI	none	Score	147
Exons	8169..8372, 8176..8346		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	8172	End	8871
GI	none	Score	147
Exons	8172..8372, 8197..8346, 8415..8513, 8514..8699, 8658..8750, 8754..8870, 8755..8871		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	8175	End	9188
GI	none	Score	130
Exons	8175..8372, 8176..8346, 8415..8576, 8449..8511, 8514..8699, 8533..8634, 8658..8870, 8731..8871, 8914..9180, 8925..9182, 8928..9188		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o2.tc	Method	TBLASTX:Cress
Start	8514	End	8862
GI	none	Score	43
Exons	8514..8861, 8565..8615, 8725..8862		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o2.ts	Method	TBLASTX:Soybean
Start	8914	End	9990
GI	none	Score	75
Exons	8914..9183, 8925..9188, 9679..9990, 9679..9939, 9681..9980		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o1.tc	Method	TBLASTX:Cress

Start	8925	End	9980
GI	none	Score	94
Exons	8925..9188, 8925..9188, 9679..9942, 9681..9980		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	9765	End	9981
GI	none	Score	143
Exons	9765..9980, 9775..9981		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o5.gs	Method	GENSCAN
Start	15388	End	18719
GI	none	Score	.45
Exons	15388..15518, 15728..15752, 16035..16220, 17459..17630, 17703..17794, 17800..17945, 18632..18719		

Seq. No.	8997	Seq. ID	OJ990430_25.0114.C5
Gene No.	19229	Strand	-
Start	15388	End	18719
Name	OJ990430_25.0114.C5.o3.np	Method	AAT/NAP
Start	15462	End	18719
GI	6539588	Score	228
Exons	15462..15518, 17674..17980, 18696..18719		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	8998	Seq. ID	OJ990430_25.0114.C6
Gene No.	19230	Strand	-
Start	1	End	664
Name	OJ990430_25.0114.C6.o1.np	Method	AAT/NAP
Start	1	End	664
GI	6630685	Score	679
Exons	1..664		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	8998	Seq. ID	OJ990430_25.0114.C6
Gene No.	19230	Strand	-
Start	1	End	664
Name	OJ990430_25.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	5	End	424
GI	none	Score	217
Exons	5..424, 9..350		

Seq. No.	8998	Seq. ID	OJ990430_25.0114.C6
Gene No.	19230	Strand	-
Start	1	End	664
Name	OJ990430_25.0114.C6.o1.tw	Method	TBLASTX:Wheat
Start	104	End	535
GI	none	Score	99
Exons	104..361, 386..535		

Seq. No.	8998	Seq. ID	OJ990430_25.0114.C6

Gene No.	19230	Strand	-
Start	1	End	664
Name	OJ990430_25.0114.C6.o1.ts	Method	TBLASTX:Soybean
Start	164	End	574
GI	none	Score	343
Exons	164..574		

Seq. No.	8998	Seq. ID	OJ990430_25.0114.C6
Gene No.	19230	Strand	-
Start	1	End	664
Name	OJ990430_25.0114.C6.o2.tm	Method	TBLASTX:Maize
Start	473	End	640
GI	none	Score	64
Exons	473..640, 476..586, 486..590		

Seq. No.	8999	Seq. ID	OJ990430_25.0114.C7
Gene No.	19231	Strand	-
Start	1	End	1095
Name	OJ990430_25.0114.C7.o1.np	Method	AAT/NAP
Start	1	End	1095
GI	3645899	Score	624
Exons	1..1095		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	8999	Seq. ID	OJ990430_25.0114.C7
Gene No.	19231	Strand	-
Start	1	End	1095
Name	OJ990430_25.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	46	End	549
GI	none	Score	175
Exons	46..549, 65..304, 383..511		

Seq. No.	8999	Seq. ID	OJ990430_25.0114.C7
Gene No.	19231	Strand	-
Start	1	End	1095
Name	OJ990430_25.0114.C7.o1.ts	Method	TBLASTX:Soybean
Start	97	End	561
GI	none	Score	60
Exons	97..408, 98..202, 406..561		

Seq. No.	8999	Seq. ID	OJ990430_25.0114.C7
Gene No.	19231	Strand	-
Start	1	End	1095
Name	OJ990430_25.0114.C7.o1.tw	Method	TBLASTX:Wheat
Start	118	End	405
GI	none	Score	134
Exons	118..405, 119..292, 127..297		

Seq. No.	8999	Seq. ID	OJ990430_25.0114.C7
Gene No.	19231	Strand	-
Start	1	End	1095
Name	OJ990430_25.0114.C7.o1.gs	Method	GENSCAN
Start	279	End	1092
GI	none	Score	.83
Exons	279..631, 875..1000, 1029..1092		

Seq. No.	9000	Seq. ID	OJ990430_25.0114.C8

Gene No.	19232	Strand	-
Start	23	End	2646
Name	OJ990430_25.0114.C8.o1.gs	Method	GENSCAN
Start	23	End	2587
GI	none	Score	.73
Exons	23..1862, 1893..2203, 2345..2436, 2442..2587		

Seq. No.	9000	Seq. ID	OJ990430_25.0114.C8
Gene No.	19232	Strand	-
Start	23	End	2646
Name	OJ990430_25.0114.C8.o1.np	Method	AAT/NAP
Start	967	End	2646
GI	6539588	Score	201
Exons	967..1011, 2333..2646		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9001	Seq. ID	OJ990430_25.0114.C9
Gene No.	19233	Strand	+
Start	157	End	349
Name	OJ990430_25.0114.C9.o1.gs	Method	GENSCAN
Start	157	End	349
GI	none	Score	.86
Exons	157..349		

Seq. No.	9001	Seq. ID	OJ990430_25.0114.C9
Gene No.	19234	Strand	+
Start	2330	End	6118
Name	OJ990430_25.0114.C9.o2.gs	Method	GENSCAN
Start	2330	End	4728
GI	none	Score	.75
Exons	2330..2482, 2707..2820, 2873..2970, 3003..3203, 3817..3874, 4639..4728		

Seq. No.	9001	Seq. ID	OJ990430_25.0114.C9
Gene No.	19234	Strand	+
Start	2330	End	6118
Name	OJ990430_25.0114.C9.o1.np	Method	AAT/NAP
Start	2713	End	6118
GI	2586082	Score	554
Exons	2713..3288, 4173..4260, 5964..6118		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	9001	Seq. ID	OJ990430_25.0114.C9
Gene No.	19235	Strand	-
Start	5562	End	5897
Name	OJ990430_25.0114.C9.o1.tm	Method	TBLASTX:Maize
Start	2791	End	3224
GI	none	Score	88
Exons	2791..2931, 2802..2954, 2919..3224, 2920..3198		

Seq. No.	9001	Seq. ID	OJ990430_25.0114.C9
Gene No.	19235	Strand	-
Start	5562	End	5897
Name	OJ990430_25.0114.C9.o3.gs	Method	GENSCAN
Start	5562	End	5897
GI	none	Score	.86
Exons	5562..5897		

Seq. No.	9002	Seq. ID	OJ990430_25.0114.C11
Gene No.	19236	Strand	+
Start	2539	End	12668
Name	OJ990430_25.0114.C11.o1.np	Method	AAT/NAP
Start	2539	End	12668
GI	5922634	Score	89
Exons	2539..2699, 3070..3224, 12644..12668		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9002	Seq. ID	OJ990430_25.0114.C11
Gene No.	19237	Strand	-
Start	1775	End	5281
Name	OJ990430_25.0114.C11.o1.gs	Method	GENSCAN
Start	1775	End	5281
GI	none	Score	.57
Exons	1775..1870, 2953..3492, 3918..4024, 4703..4757, 5183..5281		

Seq. No.	9002	Seq. ID	OJ990430_25.0114.C11
Gene No.	19238	Strand	-
Start	6543	End	6827
Name	OJ990430_25.0114.C11.o2.gs	Method	GENSCAN
Start	6543	End	6827
GI	none	Score	.94
Exons	6543..6827		

Seq. No.	9002	Seq. ID	OJ990430_25.0114.C11
Gene No.	19239	Strand	-
Start	7501	End	12074
Name	OJ990430_25.0114.C11.o3.gs	Method	GENSCAN
Start	7501	End	12041
GI	none	Score	.53
Exons	7501..7539, 8342..8428, 8816..8972, 9686..10087, 10093..10195, 10392..10600, 12010..12041		

Seq. No.	9002	Seq. ID	OJ990430_25.0114.C11
Gene No.	19239	Strand	-
Start	7501	End	12074
Name	OJ990430_25.0114.C11.o2.np	Method	AAT/NAP
Start	10766	End	12074
GI	5777617	Score	76
Exons	10766..10866, 11991..12074		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19240	Strand	+
Start	1	End	247
Name	OJ990430_25.0114.C12.o1.np	Method	AAT/NAP
Start	1	End	247
GI	2437819	Score	70
Exons	1..247		
GI Descrip.	(Z86105) 1,4-beta-glucanase [Anaerocellum thermophilum]		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19241	Strand	+

Start	8127	End	12360
Name	OJ990430_25.0114.C12.o2.np	Method	AAT/NAP
Start	8092	End	12360
GI	6723387	Score	1654
Exons	8092..10490, 12299..12360		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19241	Strand	+
Start	8127	End	12360
Name	OJ990430_25.0114.C12.o2.gs	Method	GENSCAN
Start	8127	End	10595
GI	none	Score	1
Exons	8127..10595		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19242	Strand	+
Start	21713	End	22024
Name	OJ990430_25.0114.C12.o4.gs	Method	GENSCAN
Start	21713	End	22024
GI	none	Score	.9
Exons	21713..21778, 21989..22024		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19243	Strand	-
Start	11462	End	19158
Name	OJ990430_25.0114.C12.o3.gs	Method	GENSCAN
Start	11462	End	18611
GI	none	Score	.57
Exons	11462..11574, 11670..11861, 12763..12874, 13063..13280, 13376..13530, 13654..14051, 16299..17000, 17195..17647, 17719..17808, 17895..18308, 18450..18611		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19243	Strand	-
Start	11462	End	19158
Name	OJ990430_25.0114.C12.o3.np	Method	AAT/NAP
Start	11462	End	12718
GI	4972088	Score	450
Exons	11462..11584, 11674..12185, 12259..12718		
GI Descrip.	(AL078468) putative protein [Arabidopsis thaliana]		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19243	Strand	-
Start	11462	End	19158
Name	OJ990430_25.0114.C12.o1.gp	Method	AAT/GAP
Start	12129	End	12594
GI	701150	Score	741
Exons	12129..12179, 12262..12594		
GI Descrip.	4972088/emb|CAB43884.1| 7.0e-18 (AL078468) putative protein [Arabidopsis thaliana]		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19243	Strand	-
Start	11462	End	19158
Name	OJ990430_25.0114.C12.o4.np	Method	AAT/NAP
Start	13036	End	13823

GI	4454052	Score	444
Exons	13036..13280, 13376..13823		
GI Descrip.	(AL035394) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19243	Strand	-
Start	11462	End	19158
Name	OJ990430_25.0114.C12.o5.np	Method	AAT/NAP
Start	16296	End	19158
GI	4972236	Score	1902
Exons	16296..17000, 17195..17647, 17719..17808, 17895..18308, 18450..18591, 19096..19158		
GI Descrip.	(AJ006349) endo-beta-1,4-glucanase [Fragaria x ananassa]		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o7.tm	Method	TBLASTX:Maize
Start	8378	End	8609
GI	none	Score	99
Exons	8378..8455, 8379..8456, 8460..8609, 8460..8594		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o6.tc	Method	TBLASTX:Cress
Start	8382	End	9635
GI	none	Score	72
Exons	8382..8462, 8388..8462, 8463..8606, 8679..9029, 8685..8870, 8685..8852, 8865..8951, 8883..9029, 9261..9446, 9459..9635, 9480..9623		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o5.ts	Method	TBLASTX:Soybean
Start	8469	End	9812
GI	none	Score	85
Exons	8469..8609, 8695..8742, 8721..9032, 8754..9026, 9045..9155, 9141..9407, 9163..9273, 9191..9418, 9480..9710, 9627..9812		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o1.tw	Method	TBLASTX:Wheat
Start	8688	End	9901
GI	none	Score	105
Exons	8688..8921, 8838..9029, 9057..9137, 9150..9398, 9480..9896, 9617..9901, 9726..9839		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o1.tm	Method	TBLASTX:Maize
Start	8700	End	10340
GI	none	Score	120
Exons	8700..8990, 8700..8813, 8772..9035, 8865..9026, 8877..9032,		

8900..9025, 9056..9154, 9057..9137, 9096..9131, 9162..9386, 9183..9407, 9189..9407, 9474..9863, 9480..10340, 9498..9764, 9506..9637, 9663..9842, 9674..9715, 9738..9959, 9749..10066, 9765..9842

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o4.tc	Method	TBLASTX:Cress
Start	9051	End	10013
GI	none	Score	82
Exons	9051..9137, 9165..9239, 9636..10013, 9668..9991		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o2.ts	Method	TBLASTX:Soybean
Start	9834	End	10373
GI	none	Score	485
Exons	9834..10373, 9869..10099, 9963..10352		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o2.tc	Method	TBLASTX:Cress
Start	10037	End	10604
GI	none	Score	477
Exons	10037..10324, 10062..10598, 10071..10352, 10388..10513, 10449..10604		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o6.tm	Method	TBLASTX:Maize
Start	10341	End	10598
GI	none	Score	295
Exons	10341..10598, 10342..10413, 10370..10504, 10404..10595		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o4.ts	Method	TBLASTX:Soybean
Start	10376	End	10595
GI	none	Score	267
Exons	10376..10507, 10377..10595, 10377..10595		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o3.tm	Method	TBLASTX:Maize
Start	11461	End	12027
GI	none	Score	108
Exons	11461..11574, 11471..11575, 11474..11575, 11671..11778, 11672..11734, 11743..12027, 11760..12026, 11761..12027		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-

Start	22890	End	25348
Name	OJ990430_25.0114.C12.o8.tm	Method	TBLASTX:Maize
Start	12647	End	13153
GI	none	Score	187
Exons	12647..12877, 12647..12874, 12651..12875, 13042..13152, 13043..13153		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o5.tc	Method	TBLASTX:Cress
Start	13063	End	13553
GI	none	Score	133
Exons	13063..13281, 13085..13297, 13374..13553, 13375..13551		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o1.ts	Method	TBLASTX:Soybean
Start	16332	End	18086
GI	none	Score	154
Exons	16332..16487, 16662..17003, 16789..17007, 17261..17647, 17265..17438, 17481..17594, 17726..17809, 17749..17811, 17892..18086, 17923..18081		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o3.tc	Method	TBLASTX:Cress
Start	16344	End	16926
GI	none	Score	49
Exons	16344..16487, 16662..16925, 16789..16824, 16797..16925, 16855..16926		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o2.tm	Method	TBLASTX:Maize
Start	16737	End	16995
GI	none	Score	248
Exons	16737..16994, 16789..16995		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o2.tw	Method	TBLASTX:Wheat
Start	16737	End	17003
GI	none	Score	102
Exons	16737..16859, 16876..16968, 16903..17001, 16905..17003, 16905..17003		

Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o1.tc	Method	TBLASTX:Cress
Start	16926	End	18308
GI	none	Score	70

Exons	16926..17003, 16933..17007, 17267..17554, 17283..17435, 17481..17555, 17690..17812, 17749..17811, 17892..18296, 17920..18081, 18039..18308		
Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o5.tm	Method	TBLASTX:Maize
Start	17397	End	17647
GI	none	Score	222
Exons	17397..17594, 17399..17647, 17411..17599		
Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o4.tm	Method	TBLASTX:Maize
Start	17943	End	18575
GI	none	Score	142
Exons	17943..18296, 18039..18311, 18447..18575, 18460..18564		
Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o3.ts	Method	TBLASTX:Soybean
Start	18093	End	18314
GI	none	Score	167
Exons	18093..18296, 18096..18314		
Seq. No.	9003	Seq. ID	OJ990430_25.0114.C12
Gene No.	19244	Strand	-
Start	22890	End	25348
Name	OJ990430_25.0114.C12.o5.gs	Method	GENSCAN
Start	22890	End	25348
GI	none	Score	.69
Exons	22890..22918, 23414..23565, 23570..23681, 23902..24025, 25295..25348		
Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14
Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o1.gp	Method	AAT/GAP
Start	1662	End	2095
GI	81856_1.R1084	Score	538
Exons	1662..1897, 2005..2095		
GI Descrip.	'4559384/gb|AAD23044.1|AC006526_9 3.0e-09 (AC006526) unknown protein [Arabidopsis thaliana]'		
Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14
Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o1.gs	Method	GENSCAN
Start	1842	End	11293
GI	none	Score	.64
Exons	1842..1897, 2005..2088, 2563..2846, 3465..3630, 5786..5968, 6462..6567, 6682..6869, 8199..8351, 9574..9646, 9711..9794, 9878..10433, 10994..11072, 11157..11293		

Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14
Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o3.tm	Method	TBLASTX:Maize
Start	1848	End	6514
GI	none	Score	58
Exons	1848..1898, 2012..2095, 2564..2617, 2565..2618, 2624..2776, 2644..2736, 2738..2818, 2739..2807, 3466..3633, 3467..3670, 3468..3638, 6463..6507, 6464..6514, 6464..6508		

Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14
Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o1.np	Method	AAT/NAP
Start	1997	End	6531
GI	4559384	Score	613
Exons	1997..2088, 2563..2846, 3453..3633, 5786..5968, 6462..6531		
GI Descrip.	(AC006526) unknown protein [Arabidopsis thaliana]		

Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14
Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o1.ts	Method	TBLASTX:Soybean
Start	2552	End	6840
GI	none	Score	126
Exons	2552..2641, 2741..2797, 3453..3638, 3466..3627, 3467..3670, 5781..5858, 5781..5807, 5782..5988, 5806..5967, 5847..5969, 6463..6567, 6464..6568, 6667..6711, 6680..6766, 6757..6840		

Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14
Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o2.gp	Method	AAT/GAP
Start	2563	End	2637
GI	81856_1.R1084	Score	121
Exons	2563..2637		
GI Descrip.	'4559384/gb|AAD23044.1|AC006526_9 3.0e-09 (AC006526) unknown protein [Arabidopsis thaliana]'		

Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14
Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o1.tc	Method	TBLASTX:Cress
Start	2627	End	6763
GI	none	Score	130
Exons	2627..2755, 3453..3644, 3467..3655, 5790..5969, 5791..5997, 6463..6567, 6467..6568, 6667..6711, 6680..6763		

Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14
Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o1.tm	Method	TBLASTX:Maize
Start	5775	End	5984
GI	none	Score	180
Exons	5775..5978, 5782..5973, 5795..5977, 5913..5984		

Seq. No.	9004	Seq. ID	OJ990430_25.0114.C14

Gene No.	19245	Strand	-
Start	1842	End	11293
Name	OJ990430_25.0114.C14.o2.tm	Method	TBLASTX:Maize
Start	10187	End	11232
GI	none	Score	37
Exons	10187..10303, 10224..10301, 10316..10441, 10317..10436, 10552..10617, 10556..10654, 11002..11073, 11167..11232		

Seq. No.	9005	Seq. ID	OJ990430_25.0114.C16
Gene No.	19246	Strand	+
Start	1	End	1131
Name	OJ990430_25.0114.C16.o1.np	Method	AAT/NAP
Start	1	End	1131
GI	2498930	Score	719
Exons	1..22, 488..551, 719..1131		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	9005	Seq. ID	OJ990430_25.0114.C16
Gene No.	19246	Strand	+
Start	1	End	1131
Name	OJ990430_25.0114.C16.o1.gs	Method	GENSCAN
Start	492	End	1112
GI	none	Score	.84
Exons	492..551, 719..916, 931..1112		

Seq. No.	9006	Seq. ID	OJ990430_25.0114.C17
Gene No.	19247	Strand	+
Start	119	End	600
Name	OJ990430_25.0114.C17.o1.gs	Method	GENSCAN
Start	119	End	600
GI	none	Score	.43
Exons	119..223, 510..600		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19248	Strand	+
Start	1292	End	5869
Name	OJ990330_14.0103.C1.o1.np	Method	AAT/NAP
Start	1292	End	5869
GI	4680179	Score	6643
Exons	1292..5869		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19249	Strand	+
Start	19227	End	20914
Name	OJ990330_14.0103.C1.o4.np	Method	AAT/NAP
Start	19227	End	20914
GI	6016871	Score	422
Exons	19227..19598, 19673..20770, 20815..20914		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19249	Strand	+
Start	19227	End	20914
Name	OJ990330_14.0103.C1.o4.gp	Method	AAT/GAP

Start	20114	End	20505
GI	LIB3434-028-P1-K1-E2	Score	747
Exons	20114..20505		
GI Descrip.	'2792210 2.0e-10 (AF032683) NBS-LRR type resistance protein [Hordeum vulgare]'		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19250	Strand	+
Start	22377	End	23801
Name	OJ990330_14.0103.C1.o5.gs	Method	GENSCAN
Start	22377	End	23801
GI	none	Score	.73
Exons	22377..23801		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19251	Strand	+
Start	25419	End	25505
Name	OJ990330_14.0103.C1.o6.gs	Method	GENSCAN
Start	25419	End	25505
GI	none	Score	1
Exons	25419..25505		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19252	Strand	-
Start	7575	End	9023
Name	OJ990330_14.0103.C1.o2.gs	Method	GENSCAN
Start	7575	End	9023
GI	none	Score	.81
Exons	7575..7656, 8080..8258, 8669..8806, 9021..9023		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19253	Strand	-
Start	9250	End	16093
Name	OJ990330_14.0103.C1.o3.gs	Method	GENSCAN
Start	9250	End	15478
GI	none	Score	.54
Exons	9250..9410, 9561..9763, 9768..9815, 9879..10010, 10111..10166, 10324..10506, 10599..10857, 10934..11232, 11389..11733, 11908..12154, 12260..12410, 12850..13047, 13264..14601, 14662..15478		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19253	Strand	-
Start	9250	End	16093
Name	OJ990330_14.0103.C1.o2.np	Method	AAT/NAP
Start	9529	End	15025
GI	5441880	Score	4723
Exons	9529..9763, 9879..10010, 10257..10354, 10599..10857, 10934..11232, 11818..12154, 12260..12410, 12970..13285, 13544..13575, 14020..15025		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19253	Strand	-
Start	9250	End	16093

Name	OJ990330_14.0103.C1.o1.gp	Method	AAT/GAP
Start	10607	End	11106
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	10607..10857, 10934..11106		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19253	Strand	-
Start	9250	End	16093
Name	OJ990330_14.0103.C1.o2.gp	Method	AAT/GAP
Start	13990	End	14421
GI	5701669	Score	837
Exons	13990..14421		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19253	Strand	-
Start	9250	End	16093
Name	OJ990330_14.0103.C1.o3.np	Method	AAT/NAP
Start	15038	End	16093
GI	6721543	Score	172
Exons	15038..15154, 15967..16093		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19253	Strand	-
Start	9250	End	16093
Name	OJ990330_14.0103.C1.o3.gp	Method	AAT/GAP
Start	15931	End	16079
GI	7406_1.R1084	Score	234
Exons	15931..16079		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o8.tw	Method	TBLASTX:Wheat
Start	1561	End	1924
GI	none	Score	298
Exons	1561..1665, 1565..1924, 1690..1923		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o9.tm	Method	TBLASTX:Maize
Start	1805	End	2101
GI	none	Score	207
Exons	1805..2101, 1822..1992		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760

Name	OJ990330_14.0103.C1.o8.tm	Method	TBLASTX:Maize
Start	2450	End	2770
GI	none	Score	209
Exons	2450..2770		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o9.tw	Method	TBLASTX:Wheat
Start	2503	End	2857
GI	none	Score	268
Exons	2503..2643, 2504..2857, 2687..2818		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o4.tw	Method	TBLASTX:Wheat
Start	3028	End	3514
GI	none	Score	546
Exons	3028..3471, 3032..3514		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o4.tm	Method	TBLASTX:Maize
Start	3097	End	3568
GI	none	Score	385
Exons	3097..3342, 3101..3568, 3188..3535		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	3455	End	3850
GI	none	Score	57
Exons	3455..3487, 3455..3487, 3491..3850, 3494..3568, 3498..3632, 3607..3849		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o5.tw	Method	TBLASTX:Wheat
Start	3563	End	3865
GI	none	Score	397
Exons	3563..3865, 3601..3864		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o5.tm	Method	TBLASTX:Maize
Start	3584	End	3937
GI	none	Score	322
Exons	3584..3937, 3595..3855		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760

Name	OJ990330_14.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	3866	End	4375
GI	none	Score	640
Exons	3866..4375, 3898..4284		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o3.ts	Method	TBLASTX:Soybean
Start	3875	End	4117
GI	none	Score	192
Exons	3875..4117		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	3938	End	4291
GI	none	Score	483
Exons	3938..4291, 3940..4206, 3980..4276		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o3.tw	Method	TBLASTX:Wheat
Start	4379	End	4858
GI	none	Score	590
Exons	4379..4858, 4397..4852, 4474..4857		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	4556	End	4882
GI	none	Score	90
Exons	4556..4738, 4739..4882		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	4646	End	4906
GI	none	Score	299
Exons	4646..4906, 4651..4752, 4838..4906		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	4704	End	4996
GI	none	Score	391
Exons	4704..4895, 4706..4996, 4775..4987, 4807..4992		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o1.tw	Method	TBLASTX:Wheat

Start	4865	End	5491
GI	none	Score	672
Exons	4865..5491, 4921..5490		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	5045	End	5632
GI	none	Score	226
Exons	5045..5206, 5048..5197, 5053..5199, 5204..5302, 5204..5272, 5206..5301, 5363..5632, 5371..5631		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o7.tw	Method	TBLASTX:Wheat
Start	5491	End	5824
GI	none	Score	360
Exons	5491..5760, 5492..5824		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o10.tm	Method	TBLASTX:Maize
Start	5633	End	5877
GI	none	Score	202
Exons	5633..5845, 5665..5754, 5815..5877		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o10.tw	Method	TBLASTX:Wheat
Start	11665	End	12096
GI	none	Score	83
Exons	11665..11697, 11815..11850, 11905..12033, 11915..12034, 12043..12096		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o6.tw	Method	TBLASTX:Wheat
Start	13790	End	14170
GI	none	Score	94
Exons	13790..13966, 13791..13970, 13964..14161, 13976..14170		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o6.tm	Method	TBLASTX:Maize
Start	13868	End	14464
GI	none	Score	137
Exons	13868..13939, 14003..14284, 14064..14285, 14336..14464, 14358..14456		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-

Start	24250	End	24760
Name	OJ990330_14.0103.C1.o11.tm	Method	TBLASTX:Maize
Start	19674	End	23033
GI	none	Score	133
Exons	19674..19892, 19823..19891, 19920..20012, 19925..19996, 22764..22925, 22947..23033		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o7.tm	Method	TBLASTX:Maize
Start	20217	End	23465
GI	none	Score	223
Exons	20217..20486, 20219..20485, 23226..23465, 23226..23462		

Seq. No.	9007	Seq. ID	OJ990330_14.0103.C1
Gene No.	19254	Strand	-
Start	24250	End	24760
Name	OJ990330_14.0103.C1.o5.gp	Method	AAT/GAP
Start	24250	End	24760
GI	5867_1.R1084	Score	115
Exons	24250..24276, 24687..24760		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	9008	Seq. ID	OJ990330_14.0103.C2
Gene No.	19255	Strand	-
Start	795	End	4100
Name	OJ990330_14.0103.C2.o1.gs	Method	GENSCAN
Start	795	End	4089
GI	none	Score	.91
Exons	795..1149, 2496..2647, 2791..4089		

Seq. No.	9008	Seq. ID	OJ990330_14.0103.C2
Gene No.	19255	Strand	-
Start	795	End	4100
Name	OJ990330_14.0103.C2.o1.np	Method	AAT/NAP
Start	3300	End	4100
GI	6561959	Score	287
Exons	3300..4100		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	9008	Seq. ID	OJ990330_14.0103.C2
Gene No.	19255	Strand	-
Start	795	End	4100
Name	OJ990330_14.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	3307	End	4062
GI	none	Score	46
Exons	3307..3384, 3323..3367, 3398..3529, 3403..3666, 3748..3777, 3799..3927, 3997..4062		

Seq. No.	9009	Seq. ID	OJ990330_14.0103.C4

Gene No.	19256	Strand	+
Start	554	End	3392
Name	OJ990330_14.0103.C4.o1.gs	Method	GENSCAN
Start	554	End	3392
GI	none	Score	.63
Exons	554..817, 988..1188, 1269..1358, 2010..2114, 2284..2344, 3073..3171, 3250..3392		

Seq. No.	9009	Seq. ID	OJ990330_14.0103.C4
Gene No.	19256	Strand	+
Start	554	End	3392
Name	OJ990330_14.0103.C4.o1.np	Method	AAT/NAP
Start	3066	End	3392
GI	6715639	Score	256
Exons	3066..3210, 3247..3392		
GI Descrip.	(AC007323) T25K16.16 [Arabidopsis thaliana]		

Seq. No.	9009	Seq. ID	OJ990330_14.0103.C4
Gene No.	19257	Strand	-
Start	1686	End	2088
Name	OJ990330_14.0103.C4.o1.gp	Method	AAT/GAP
Start	1686	End	2088
GI	7406_1.R1084	Score	657
Exons	1686..2088		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	9009	Seq. ID	OJ990330_14.0103.C4
Gene No.	19258	Strand	-
Start	5194	End	5373
Name	OJ990330_14.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	3060	End	3596
GI	none	Score	190
Exons	3060..3188, 3060..3173, 3065..3190, 3248..3391, 3249..3392, 3327..3392, 3334..3408, 3482..3526, 3537..3596		

Seq. No.	9009	Seq. ID	OJ990330_14.0103.C4
Gene No.	19258	Strand	-
Start	5194	End	5373
Name	OJ990330_14.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	3062	End	3380
GI	none	Score	102
Exons	3062..3190, 3063..3188, 3248..3379, 3249..3380, 3336..3380		

Seq. No.	9009	Seq. ID	OJ990330_14.0103.C4
Gene No.	19258	Strand	-
Start	5194	End	5373
Name	OJ990330_14.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	3078	End	3412
GI	none	Score	108
Exons	3078..3188, 3089..3193, 3248..3412, 3249..3383		

Seq. No.	9009	Seq. ID	OJ990330_14.0103.C4
Gene No.	19258	Strand	-
Start	5194	End	5373
Name	OJ990330_14.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	3080	End	3383

GI	none	Score	99
Exons	3080..3190, 3084..3188, 3248..3379, 3249..3383		

Seq. No.	9009	Seq. ID	OJ990330_14.0103.C4
Gene No.	19258	Strand	-
Start	5194	End	5373
Name	OJ990330_14.0103.C4.o2.gs	Method	GENSCAN
Start	5194	End	5373
GI	none	Score	.94
Exons	5194..5373		

Seq. No.	9010	Seq. ID	OJ990330_14.0103.C6
Gene No.	19259	Strand	-
Start	2008	End	4412
Name	OJ990330_14.0103.C6.o2.np	Method	AAT/NAP
Start	2008	End	4412
GI	6016871	Score	480
Exons	2008..2362, 2397..3146, 3219..3610, 4377..4412		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9010	Seq. ID	OJ990330_14.0103.C6
Gene No.	19259	Strand	-
Start	2008	End	4412
Name	OJ990330_14.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	2392	End	2655
GI	none	Score	118
Exons	2392..2655, 2399..2653		

Seq. No.	9010	Seq. ID	OJ990330_14.0103.C6
Gene No.	19259	Strand	-
Start	2008	End	4412
Name	OJ990330_14.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	2860	End	3198
GI	none	Score	66
Exons	2860..2952, 2873..2947, 2962..3198, 2971..3027		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19260	Strand	+
Start	16700	End	22142
Name	OJ990330_14.0103.C7.o4.gs	Method	GENSCAN
Start	16700	End	22142
GI	none	Score	.94
Exons	16700..16790, 16883..17079, 18667..18777, 18857..21090, 21792..21864, 21993..22142		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19261	Strand	+
Start	22573	End	22915
Name	OJ990330_14.0103.C7.o3.gp	Method	AAT/GAP
Start	22573	End	22915
GI	4968594	Score	682
Exons	22573..22915		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19262	Strand	-
Start	483	End	9345

Name	OJ990330_14.0103.C7.o1.gs	Method	GENSCAN
Start	483	End	4369
GI	none	Score	.92
Exons	483..640, 1458..2963, 4032..4079, 4222..4369		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19262	Strand	-
Start	483	End	9345
Name	OJ990330_14.0103.C7.o2.np	Method	AAT/NAP
Start	1357	End	9345
GI	6016871	Score	536
Exons	1357..2495, 8925..9345		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19263	Strand	-
Start	15084	End	15329
Name	OJ990330_14.0103.C7.o3.gs	Method	GENSCAN
Start	15084	End	15329
GI	none	Score	.51
Exons	15084..15329		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19264	Strand	-
Start	26408	End	36460
Name	OJ990330_14.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	1741	End	12492
GI	none	Score	121
Exons	1741..2004, 1748..2002, 8092..8364, 8099..8359, 11891..12022, 12310..12492, 12365..12490		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19264	Strand	-
Start	26408	End	36460
Name	OJ990330_14.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	2209	End	12975
GI	none	Score	64
Exons	2209..2301, 2222..2296, 2311..2544, 2318..2398, 8566..8658, 8579..8653, 8668..8904, 8677..8733, 12691..12801, 12796..12975		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19264	Strand	-
Start	26408	End	36460
Name	OJ990330_14.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	20173	End	22121
GI	none	Score	303
Exons	20173..20412, 20174..20431, 20178..20447, 20414..20518, 20510..20638, 20519..20635, 20642..20704, 20642..20776, 20650..20712, 20690..20896, 20700..20873, 20704..20898, 20764..20904, 20783..20902, 20895..21062, 20902..21066, 20903..21064, 21775..21864, 21987..22121, 21999..22121		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19264	Strand	-
Start	26408	End	36460
Name	OJ990330_14.0103.C7.o1.tw	Method	TBLASTX:Wheat

Start	20180	End	20596
GI	none	Score	274
Exons	20180..20404, 20191..20406, 20501..20596		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19264	Strand	-
Start	26408	End	36460
Name	OJ990330_14.0103.C7.o6.gs	Method	GENSCAN
Start	26408	End	36460
GI	none	Score	.51
Exons	26408..26458, 27922..28129, 28779..28893, 31086..31120, 32938..33199, 33409..33493, 35245..35377, 35629..36180, 36321..36460		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19264	Strand	-
Start	26408	End	36460
Name	OJ990330_14.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	32849	End	35862
GI	none	Score	56
Exons	32849..32917, 32854..32907, 32858..32917, 32910..32969, 32912..32968, 32935..32970, 32983..33006, 33010..33045, 33105..33200, 33106..33150, 33123..33194, 33389..33511, 33411..33497, 35237..35377, 35299..35379, 35300..35389, 35628..35669, 35628..35714, 35703..35765, 35713..35751, 35718..35765, 35820..35861, 35820..35861, 35830..35862		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19264	Strand	-
Start	26408	End	36460
Name	OJ990330_14.0103.C7.o4.np	Method	AAT/NAP
Start	32928	End	36177
GI	2921823	Score	441
Exons	32928..33199, 33409..33493, 35245..35377, 35629..36177		
GI Descrip.	(AF046934) shoot-forming PKSF1 [Paulownia kawakamii]		

Seq. No.	9011	Seq. ID	OJ990330_14.0103.C7
Gene No.	19264	Strand	-
Start	26408	End	36460
Name	OJ990330_14.0103.C7.o4.gp	Method	AAT/GAP
Start	33409	End	35299
GI	LIB3434-041-P1-K1-A11	Score	248
Exons	33409..33493, 35245..35299		
GI Descrip.	'2921823 4.0e-09 (AF046934) shoot-forming PKSF1 [Paulownia kawakamii]'		

Seq. No.	9012	Seq. ID	OJ990330_14.0103.C8
Gene No.	19265	Strand	+
Start	107	End	1673
Name	OJ990330_14.0103.C8.o1.gs	Method	GENSCAN
Start	107	End	1673
GI	none	Score	.49
Exons	107..141, 1505..1547, 1553..1673		

Seq. No.	9012	Seq. ID	OJ990330_14.0103.C8
Gene No.	19266	Strand	+
Start	4957	End	5251

Name	OJ990330_14.0103.C8.o1.gp	Method	AAT/GAP
Start	4957	End	5251
GI	none	Score	524
Exons	4957..5251		

Seq. No.	9012	Seq. ID	OJ990330_14.0103.C8
Gene No.	19267	Strand	-
Start	5133	End	6127
Name	OJ990330_14.0103.C8.o2.gs	Method	GENSCAN
Start	5133	End	6127
GI	none	Score	.91
Exons	5133..5566, 5611..6127		

Seq. No.	9012	Seq. ID	OJ990330_14.0103.C8
Gene No.	19268	Strand	-
Start	6717	End	8139
Name	OJ990330_14.0103.C8.o3.gs	Method	GENSCAN
Start	6717	End	7774
GI	none	Score	.76
Exons	6717..6804, 7383..7453, 7712..7774		

Seq. No.	9012	Seq. ID	OJ990330_14.0103.C8
Gene No.	19268	Strand	-
Start	6717	End	8139
Name	OJ990330_14.0103.C8.o1.np	Method	AAT/NAP
Start	7400	End	8139
GI	5042454	Score	245
Exons	7400..7453, 7712..7884, 8081..8139		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19269	Strand	+
Start	1360	End	4659
Name	OJ990330_14.0103.C9.o1.gp	Method	AAT/GAP
Start	1360	End	1844
GI	2427965	Score	652
Exons	1360..1685, 1803..1844		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19269	Strand	+
Start	1360	End	4659
Name	OJ990330_14.0103.C9.o1.np	Method	AAT/NAP
Start	1601	End	4659
GI	3450842	Score	757
Exons	1601..1685, 1803..1840, 2246..2476, 3288..3512, 3654..3811, 3921..4183, 4225..4659		
GI Descrip.	(AF080436) mitogen activated protein kinase kinase [Oryza sativa]		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19269	Strand	+
Start	1360	End	4659
Name	OJ990330_14.0103.C9.o2.gs	Method	GENSCAN
Start	3112	End	4596
GI	none	Score	.67
Exons	3112..3508, 3654..3811, 4047..4281, 4394..4596		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19270	Strand	-
Start	1378	End	1707
Name	OJ990330_14.0103.C9.o1.gs	Method	GENSCAN
Start	1378	End	1707
GI	none	Score	.52
Exons	1378..1707		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19271	Strand	
Start	2240	End	4559
Name	OJ990330_14.0103.C9.o2.ts	Method	TBLASTX:Soybean
Start	2240	End	3339
GI	none	Score	86
Exons	2240..2284, 2241..2309, 2307..2480, 2351..2479, 3250..3339		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19271	Strand	
Start	2240	End	4559
Name	OJ990330_14.0103.C9.o2.tc	Method	TBLASTX:Cress
Start	2247	End	2456
GI	none	Score	79
Exons	2247..2309, 2249..2314, 2307..2456, 2379..2456		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19271	Strand	
Start	2240	End	4559
Name	OJ990330_14.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	2427	End	4557
GI	none	Score	71
Exons	2427..2480, 3259..3432, 3289..3429, 3291..3431, 4386..4556, 4387..4557		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19271	Strand	
Start	2240	End	4559
Name	OJ990330_14.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	3291	End	4052
GI	none	Score	279
Exons	3291..3509, 3292..3510, 3649..3807, 3653..3808, 3924..4052		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19271	Strand	
Start	2240	End	4559
Name	OJ990330_14.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	3342	End	4559
GI	none	Score	62
Exons	3342..3473, 3342..3509, 3343..3510, 3649..3816, 3653..3808, 3920..4042, 3921..4091, 4344..4559, 4384..4557		

Seq. No.	9013	Seq. ID	OJ990330_14.0103.C9
Gene No.	19271	Strand	
Start	2240	End	4559
Name	OJ990330_14.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	3432	End	3977
GI	none	Score	117
Exons	3432..3509, 3432..3509, 3433..3510, 3652..3810, 3653..3811,		

3653..3811, 3915..3974, 3918..3977, 3920..3976

Seq. No.	9014	Seq. ID	OJ990730_13.0103.C1
Gene No.	19272	Strand	+
Start	277	End	348
Name	OJ990730_13.0103.C1.o1.gs	Method	GENSCAN
Start	277	End	348
GI	none	Score	.81
Exons	277..348		

Seq. No.	9015	Seq. ID	OJ990730_13.0103.C4
Gene No.	19273	Strand	+
Start	15	End	3338
Name	OJ990730_13.0103.C4.o1.np	Method	AAT/NAP
Start	15	End	3338
GI	6815062	Score	1581
Exons	15..2022, 2108..2348, 2407..2716, 2793..2891, 2965..3030, 3109..3338		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	9015	Seq. ID	OJ990730_13.0103.C4
Gene No.	19273	Strand	+
Start	15	End	3338
Name	OJ990730_13.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	54	End	619
GI	none	Score	139
Exons	54..203, 230..619, 232..597		

Seq. No.	9015	Seq. ID	OJ990730_13.0103.C4
Gene No.	19273	Strand	+
Start	15	End	3338
Name	OJ990730_13.0103.C4.o1.gs	Method	GENSCAN
Start	350	End	3338
GI	none	Score	.87
Exons	350..1465, 1708..2022, 2108..2316, 2422..2446, 2793..2891, 2965..3338		

Seq. No.	9015	Seq. ID	OJ990730_13.0103.C4
Gene No.	19273	Strand	+
Start	15	End	3338
Name	OJ990730_13.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	746	End	1024
GI	none	Score	190
Exons	746..1024, 802..927		

Seq. No.	9015	Seq. ID	OJ990730_13.0103.C4
Gene No.	19273	Strand	+
Start	15	End	3338
Name	OJ990730_13.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	1732	End	2716
GI	none	Score	147
Exons	1732..1866, 1758..1868, 2108..2317, 2158..2316, 2414..2491, 2531..2716		

Seq. No.	9016	Seq. ID	OJ990730_13.0103.C5

Gene No.	19274	Strand	+
Start	377	End	567
Name	OJ990730_13.0103.C5.o1.gs	Method	GENSCAN
Start	377	End	567
GI	none	Score	.94
Exons	377..396, 486..567		

Seq. No.	9017	Seq. ID	OJ990730_13.0103.C9
Gene No.	19275	Strand	+
Start	534	End	673
Name	OJ990730_13.0103.C9.o1.gs	Method	GENSCAN
Start	534	End	673
GI	none	Score	.95
Exons	534..673		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19276	Strand	+
Start	9805	End	13342
Name	OJ990730_13.0103.C11.o2.gs	Method	GENSCAN
Start	9805	End	13306
GI	none	Score	.96
Exons	9805..12664, 12795..13306		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19276	Strand	+
Start	9805	End	13342
Name	OJ990730_13.0103.C11.o1.np	Method	AAT/NAP
Start	9817	End	13260
GI	2982452	Score	2237
Exons	9817..11106, 11332..12700, 12765..13260		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19276	Strand	+
Start	9805	End	13342
Name	OJ990730_13.0103.C11.o1.gp	Method	AAT/GAP
Start	12912	End	13342
GI	LIB3433-035-P1-K1-A1	Score	769
Exons	12912..13342		
GI Descrip.	'3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen'		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19277	Strand	+
Start	13359	End	13704
Name	OJ990730_13.0103.C11.o2.gp	Method	AAT/GAP
Start	13359	End	13704
GI	3760479	Score	628
Exons	13359..13704		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19278	Strand	+
Start	13676	End	14984
Name	OJ990730_13.0103.C11.o2.np	Method	AAT/NAP
Start	13676	End	14984
GI	5777617	Score	69
Exons	13676..13708, 14880..14984		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19279	Strand	-
Start	182	End	5838
Name	OJ990730_13.0103.C11.o1.gs	Method	GENSCAN
Start	182	End	5838
GI	none	Score	.46
Exons	182..322, 1334..1711, 1953..2239, 3991..4008, 4836..5011, 5834..5838		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19280	Strand	-
Start	14917	End	16146
Name	OJ990730_13.0103.C11.o3.gs	Method	GENSCAN
Start	14917	End	16146
GI	none	Score	.59
Exons	14917..15457, 15688..15724, 15729..16146		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o4.tm	Method	TBLASTX:Maize
Start	41	End	231
GI	none	Score	109
Exons	41..169, 44..157, 55..180, 55..174, 153..230, 164..229, 169..231		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o5.ts	Method	TBLASTX:Soybean
Start	41	End	271
GI	none	Score	135
Exons	41..271, 44..238		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o5.tc	Method	TBLASTX:Cress
Start	41	End	328
GI	none	Score	98
Exons	41..328, 55..234, 120..239		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o4.tw	Method	TBLASTX:Wheat
Start	9895	End	11634
GI	none	Score	90
Exons	9895..10134, 10099..10239, 10105..10248, 10252..10407, 10417..10668, 10426..10647, 10573..10863, 10645..10935, 10723..11007, 10768..11079, 10825..11091, 11152..11391, 11152..11361, 11272..11391, 11404..11634, 11419..11628, 11482..11628		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-

Start	16452	End	24485
Name	OJ990730_13.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	10096	End	13099
GI	none	Score	91
Exons	10096..10233, 10099..10224, 10105..10257, 10105..10233, 10132..10248, 10132..10239, 10243..10422, 10243..10407, 10246..10407, 10249..11091, 10252..10371, 10419..10589, 10426..10662, 10426..10959, 10429..11022, 10440..10607, 10471..10878, 10705..10914, 10711..11091, 10774..11166, 10831..11091, 11152..11382, 11152..11382, 11152..11400, 11152..11382, 11152..11310, 11158..11394, 11185..11361, 11226..11318, 11260..11382, 11350..11391, 11365..11628, 11383..11529, 11383..11628, 11410..11601, 11415..11549, 11419..11622, 11419..11580, 11419..11601, 11506..11631, 11578..11652, 11638..11745, 11646..11702, 12046..12195, 12241..12366, 12433..12597, 12436..12552, 12785..12886, 12793..12885, 12896..12934, 13013..13099		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o3.tm	Method	TBLASTX:Maize
Start	10096	End	11823
GI	none	Score	86
Exons	10096..10233, 10099..10224, 10099..10224, 10105..10233, 10105..10233, 10132..10236, 10243..10422, 10243..10407, 10252..10374, 10258..10410, 10267..10371, 10287..10451, 10416..10664, 10417..10662, 10420..10665, 10420..10662, 10425..10595, 10426..10890, 10429..10536, 10434..10520, 10477..10749, 10480..10950, 10569..10877, 10573..10824, 10573..10662, 10624..10878, 10639..11091, 10650..10880, 10705..11022, 10713..10817, 10735..11022, 10767..11027, 10768..11091, 10794..10958, 10834..11091, 10840..11091, 10879..11091, 10938..11093, 10987..11151, 10987..11310, 10987..11154, 10999..11154, 11053..11151, 11151..11309, 11152..11391, 11152..11394, 11152..11310, 11154..11390, 11154..11381, 11154..11390, 11155..11382, 11155..11391, 11160..11381, 11215..11391, 11239..11397, 11272..11382, 11370..11528, 11383..11613, 11383..11601, 11407..11610, 11410..11622, 11419..11601, 11430..11612, 11433..11600, 11601..11693, 11638..11751, 11641..11667, 11752..11823		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	10099	End	11745
GI	none	Score	84
Exons	10099..10233, 10132..10233, 10177..10236, 10249..10668, 10252..10395, 10268..10294, 10287..10661, 10429..10542, 10498..10749, 10573..10770, 10573..10830, 10711..10860, 10716..10823, 10717..10968, 10789..11034, 10861..11091, 10912..11091, 10924..11091, 11005..11262, 11152..11619, 11152..11334, 11154..11315, 11410..11745, 11440..11631, 11500..11631		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11

Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o2.tw	Method	TBLASTX:Wheat
Start	12238	End	12573
GI	none	Score	95
Exons	12238..12366, 12430..12573, 12432..12521, 12472..12552		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	12252	End	12894
GI	none	Score	134
Exons	12252..12365, 12253..12366, 12433..12597, 12436..12600, 12609..12662, 12636..12665, 12785..12883, 12793..12894		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o4.ts	Method	TBLASTX:Soybean
Start	12265	End	12597
GI	none	Score	155
Exons	12265..12366, 12273..12323, 12430..12597, 12435..12515		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o3.ts	Method	TBLASTX:Soybean
Start	12785	End	13132
GI	none	Score	120
Exons	12785..12877, 12793..12906, 12793..12873, 12872..12919, 12907..13110, 12908..13132, 12908..13117		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o6.ts	Method	TBLASTX:Soybean
Start	15403	End	16107
GI	none	Score	68
Exons	15403..15429, 15452..15580, 15688..15843, 15873..15932, 15975..16106, 15976..16107		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o3.tc	Method	TBLASTX:Cress
Start	15467	End	16091
GI	none	Score	97
Exons	15467..15580, 15688..15843, 15873..15932, 15975..16091		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o4.gs	Method	GENSCAN
Start	16452	End	19288
GI	none	Score	.74
Exons	16452..16509, 17088..17419, 18496..18642, 18754..18807,		

18975..19034, 19139..19288

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	17034	End	22020
GI	none	Score	240
Exons	17034..17420, 17045..17422, 17318..17422, 18494..18676, 18496..18642, 18754..18813, 19136..19306, 19137..19304, 21566..21628, 21943..22020		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o1.tw	Method	TBLASTX:Wheat
Start	17034	End	17306
GI	none	Score	184
Exons	17034..17306, 17054..17305		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o2.tc	Method	TBLASTX:Cress
Start	17040	End	17414
GI	none	Score	224
Exons	17040..17414, 17042..17407		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o2.ts	Method	TBLASTX:Soybean
Start	17040	End	19306
GI	none	Score	237
Exons	17040..17420, 17048..17422, 17312..17422, 18494..18676, 18496..18642, 18754..18813, 19136..19306, 19137..19304		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o3.np	Method	AAT/NAP
Start	17045	End	22290
GI	6175145	Score	1192
Exons	17045..17419, 18496..18642, 18754..18807, 19139..19303, 21452..21514, 21547..21664, 21898..22014, 22108..22290		
GI Descrip.	(AC010796) unknown protein [Arabidopsis thaliana] gi|6453902|gb|AAF09085.1|AC011663_21 (AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o3.tw	Method	TBLASTX:Wheat
Start	18494	End	19243
GI	none	Score	94
Exons	18494..18640, 18496..18639, 18754..18819, 19136..19174, 19137..19175, 19166..19243		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o4.tc	Method	TBLASTX:Cress
Start	18494	End	19213
GI	none	Score	34
Exons	18494..18520, 18499..18642, 18542..18640, 18754..18813, 18755..18808, 19136..19213		

Seq. No.	9018	Seq. ID	OJ990730_13.0103.C11
Gene No.	19281	Strand	-
Start	16452	End	24485
Name	OJ990730_13.0103.C11.o5.gs	Method	GENSCAN
Start	21152	End	24485
GI	none	Score	.57
Exons	21152..21763, 21928..22014, 22138..22299, 24446..24485		

Seq. No.	9019	Seq. ID	OJ990730_13.0103.C12
Gene No.	19282	Strand	+
Start	1603	End	3782
Name	OJ990730_13.0103.C12.o1.np	Method	AAT/NAP
Start	1603	End	3778
GI	6016874	Score	1784
Exons	1603..1681, 1765..1902, 1967..2199, 2590..2749, 3143..3322, 3440..3778		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	9019	Seq. ID	OJ990730_13.0103.C12
Gene No.	19282	Strand	+
Start	1603	End	3782
Name	OJ990730_13.0103.C12.o2.gs	Method	GENSCAN
Start	1603	End	3782
GI	none	Score	.56
Exons	1603..2199, 2590..2749, 3143..3502, 3550..3782		

Seq. No.	9019	Seq. ID	OJ990730_13.0103.C12
Gene No.	19282	Strand	+
Start	1603	End	3782
Name	OJ990730_13.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	1951	End	2397
GI	none	Score	69
Exons	1951..2037, 2022..2231, 2023..2271, 2308..2364, 2359..2397		

Seq. No.	9019	Seq. ID	OJ990730_13.0103.C12
Gene No.	19282	Strand	+
Start	1603	End	3782
Name	OJ990730_13.0103.C12.o1.gp	Method	AAT/GAP
Start	2292	End	2800
GI	uC-osf1cyp110c07b1	Score	962
Exons	2292..2800		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	9019	Seq. ID	OJ990730_13.0103.C12
Gene No.	19282	Strand	+
Start	1603	End	3782
Name	OJ990730_13.0103.C12.o3.tm	Method	TBLASTX:Maize
Start	2491	End	2805
GI	none	Score	56
Exons	2491..2565, 2578..2805, 2586..2804		

Seq. No.	9019	Seq. ID	OJ990730_13.0103.C12
Gene No.	19282	Strand	+
Start	1603	End	3782
Name	OJ990730_13.0103.C12.o4.tm	Method	TBLASTX:Maize
Start	3010	End	3362
GI	none	Score	240
Exons	3010..3291, 3021..3362		

Seq. No.	9019	Seq. ID	OJ990730_13.0103.C12
Gene No.	19282	Strand	+
Start	1603	End	3782
Name	OJ990730_13.0103.C12.o2.tm	Method	TBLASTX:Maize
Start	3473	End	3716
GI	none	Score	282
Exons	3473..3631, 3483..3716		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19283	Strand	+
Start	1	End	1633
Name	OJ990730_13.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	1633
GI	6016874	Score	113
Exons	1..49, 75..172, 1584..1633		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19284	Strand	+
Start	4300	End	7417
Name	OJ990730_13.0103.C13.o2.gs	Method	GENSCAN
Start	4300	End	7417
GI	none	Score	.67
Exons	4300..4363, 5248..5415, 5764..5931, 6018..6270, 7318..7417		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322
Name	OJ990730_13.0103.C13.o1.gs	Method	GENSCAN
Start	1539	End	3914
GI	none	Score	.75
Exons	1539..1574, 1711..1839, 2213..2362, 2450..2515, 2792..2836, 3690..3770, 3870..3914		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322
Name	OJ990730_13.0103.C13.o1.gp	Method	AAT/GAP
Start	1542	End	2840

GI	LIB3434-047-P1-K1-D9	Score	723
Exons	1542..1574, 1711..1839, 2213..2362, 2450..2515, 2792..2840		
GI Descrip.	'3157941 4.0e-25 (AC002131) Contains similarity to hypothetical protein gb_U95973 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322
Name	OJ990730_13.0103.C13.o2.np	Method	AAT/NAP
Start	1678	End	7322
GI	3157941	Score	590
Exons	1678..1839, 2213..2362, 3648..3770, 3870..3951, 4239..4310, 5141..5241, 5358..5474, 5597..5718, 7165..7322		
GI Descrip.	(AC002131) Contains similarity to hypothetical protein gb|U95973 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322
Name	OJ990730_13.0103.C13.o2.tm	Method	TBLASTX:Maize
Start	1711	End	2830
GI	none	Score	114
Exons	1711..1797, 1712..1840, 1714..1839, 1721..1846, 2200..2358, 2211..2363, 2213..2368, 2444..2515, 2444..2515, 2445..2516, 2445..2516, 2754..2828, 2792..2830, 2792..2830		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322
Name	OJ990730_13.0103.C13.o2.ts	Method	TBLASTX:Soybean
Start	2234	End	4325
GI	none	Score	105
Exons	2234..2368, 2235..2357, 2450..2515, 2451..2516, 3690..3773, 3691..3771, 3870..3956, 3874..3957, 4235..4309, 4236..4325, 4239..4325		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322
Name	OJ990730_13.0103.C13.o1.tc	Method	TBLASTX:Cress
Start	3871	End	5665
GI	none	Score	95
Exons	3871..3957, 3873..3956, 4238..4309, 4239..4325, 4243..4326, 5141..5242, 5143..5247, 5355..5468, 5398..5466, 5597..5665, 5600..5659, 5601..5660		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322
Name	OJ990730_13.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	5143	End	5674
GI	none	Score	66
Exons	5143..5247, 5355..5459, 5597..5674, 5600..5662		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322

Name	OJ990730_13.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	5150	End	5686
GI	none	Score	109
Exons	5150..5242, 5152..5244, 5152..5247, 5199..5252, 5355..5474, 5384..5473, 5389..5517, 5429..5479, 5597..5662, 5597..5686, 5598..5672		

Seq. No.	9020	Seq. ID	OJ990730_13.0103.C13
Gene No.	19285	Strand	-
Start	1539	End	7322
Name	OJ990730_13.0103.C13.o2.gp	Method	AAT/GAP
Start	5740	End	6068
GI	none	Score	646
Exons	5740..6068		

Seq. No.	9021	Seq. ID	OJ990730_13.0103.C14
Gene No.	19286	Strand	+
Start	1648	End	2721
Name	OJ990730_13.0103.C14.o1.np	Method	AAT/NAP
Start	1648	End	2721
GI	6714413	Score	236
Exons	1648..1825, 2374..2483, 2605..2721		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	9021	Seq. ID	OJ990730_13.0103.C14
Gene No.	19286	Strand	+
Start	1648	End	2721
Name	OJ990730_13.0103.C14.o1.gs	Method	GENSCAN
Start	1678	End	2483
GI	none	Score	.7
Exons	1678..1825, 2374..2483		

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19287	Strand	+
Start	4160	End	8873
Name	OJ990730_13.0103.C16.o1.np	Method	AAT/NAP
Start	4160	End	8873
GI	2982431	Score	1896
Exons	4160..6805, 8843..8873		
GI Descrip.	(AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]		

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19288	Strand	-
Start	12662	End	15594
Name	OJ990730_13.0103.C16.o2.gs	Method	GENSCAN
Start	12662	End	15594
GI	none	Score	.79
Exons	12662..12805, 13216..13533, 13553..13780, 13787..13929, 14121..14267, 15552..15594		

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19289	Strand	-
Start	16823	End	17167
Name	OJ990730_13.0103.C16.o3.gs	Method	GENSCAN
Start	16823	End	17167
GI	none	Score	.78

Exons 16823..17167

Seq. No. 9022 Seq. ID OJ990730_13.0103.C16
Gene No. 19290 Strand -
Start 21127 End 31003
Name OJ990730_13.0103.C16.o4.tm Method TBLASTX:Maize
Start 4138 End 4365
GI none Score 51
Exons 4138..4194, 4138..4362, 4172..4363, 4227..4364, 4228..4365

Seq. No. 9022 Seq. ID OJ990730_13.0103.C16
Gene No. 19290 Strand -
Start 21127 End 31003
Name OJ990730_13.0103.C16.o2.tw Method TBLASTX:Wheat
Start 4256 End 12037
GI none Score 54
Exons 4256..4315, 4303..4410, 4328..4372, 4379..4618, 4432..4653, 4442..4762, 4544..4660, 4550..4834, 4595..4849, 4910..5062, 4910..5062, 4940..5062, 5082..5138, 5252..5431, 5312..5647, 5408..5719, 5468..5791, 5504..5785, 5696..5929, 5891..6220, 5972..6241, 6341..6478, 6482..6598, 6482..6598, 6488..6583, 11936..12037

Seq. No. 9022 Seq. ID OJ990730_13.0103.C16
Gene No. 19290 Strand -
Start 21127 End 31003
Name OJ990730_13.0103.C16.o1.tc Method TBLASTX:Cress
Start 4310 End 28534
GI none Score 268
Exons 4310..4849, 4370..4849, 4370..4774, 4379..4849, 4379..4849, 4379..4849, 4379..4840, 4379..4645, 4418..5062, 4474..4572, 4484..4690, 4550..4726, 4687..4848, 4687..5055, 4801..5061, 4825..4995, 4882..5061, 4909..5061, 4910..5062, 4910..5062, 4910..5062, 4910..5074, 4955..5071, 5201..5875, 5210..5392, 5216..5518, 5231..5674, 5231..5659, 5249..5947, 5252..5752, 5252..6019, 5255..5611, 5261..5806, 5281..5484, 5290..5661, 5327..6235, 5327..5890, 5329..5661, 5396..5893, 5563..5673, 5780..5857, 5794..6165, 5876..6160, 5882..6241, 5894..6235, 5897..6235, 5897..6235, 5900..6241, 5909..6241, 5909..6235, 5981..6241, 6041..6241, 6302..6505, 6302..6478, 6302..6487, 6302..6478, 6302..6478, 6302..6487, 6332..6487, 6341..6481, 6467..6601, 6482..6598, 6485..6601, 6488..6598, 6488..6679, 6488..6601, 6488..6598, 6488..6598, 6488..6598, 6491..6598, 22841..23176, 22851..23171, 24154..24297, 24328..24447, 28394..28534, 28415..28534, 28418..28534, 28421..28534, 28424..28534, 28430..28534, 28430..28528

Seq. No. 9022 Seq. ID OJ990730_13.0103.C16
Gene No. 19290 Strand -
Start 21127 End 31003
Name OJ990730_13.0103.C16.o1.ts Method TBLASTX:Soybean
Start 4367 End 28570
GI none Score 172
Exons 4367..4780, 4370..4804, 4379..4849, 4400..4849, 4406..4849, 4451..4849, 4465..4572, 4466..4849, 4477..4578, 4550..4921, 4556..4681, 4628..4747, 4687..4776, 4765..5061, 4775..4921, 4910..5062, 4910..5140, 4910..5062, 4910..5062, 4910..5053,

4910..5062, 4910..5062, 4910..5062, 4910..5062, 4946..5062,
5201..5242, 5209..5523, 5249..5869, 5249..5740, 5252..5590,
5252..5521, 5255..5662, 5279..5869, 5279..5695, 5281..5445,
5290..5517, 5297..5416, 5327..5737, 5351..5890, 5369..5488,
5393..5809, 5417..5875, 5471..5875, 5489..5896, 5507..5857,
5729..5836, 5891..6241, 5894..6235, 5900..6235, 5900..6235,
5900..6235, 5924..6235, 5942..6073, 5996..6241, 6302..6490,
6302..6469, 6302..6487, 6302..6487, 6302..6670, 6302..6463,
6302..6466, 6302..6421, 6332..6487, 6356..6487, 6374..6598,
6476..6670, 6482..6685, 6485..6598, 6485..6601, 6488..6598,
6488..6598, 22850..22996, 22854..22961, 22997..23167,
23067..23168, 24154..24303, 24328..24408, 28403..28534,
28412..28525, 28415..28534, 28430..28570

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19290	Strand	-
Start	21127	End	31003
Name	OJ990730_13.0103.C16.o2.tm	Method	TBLASTX:Maize
Start	4379	End	28538
GI	none	Score	66

Exons 4379..4489, 4400..4645, 4424..4612, 4550..4678, 4568..4840,
4640..4849, 4840..4995, 4910..5062, 4910..5062, 5201..5425,
5246..5473, 5256..5423, 5264..5446, 5290..5442, 5318..5620,
5327..5497, 5366..5689, 5381..5689, 5453..5731, 5495..5641,
5525..5803, 5555..5713, 5585..5860, 5597..6070, 5639..5788,
5939..6232, 5972..6145, 6026..6235, 6053..6217, 6056..6217,
6197..6379, 6314..6481, 6491..6601, 6494..6577, 6508..6582,
28419..28538

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19290	Strand	-
Start	21127	End	31003
Name	OJ990730_13.0103.C16.o3.tm	Method	TBLASTX:Maize
Start	13474	End	13658
GI	none	Score	115

Exons 13474..13542, 13475..13540, 13538..13657, 13551..13658

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19290	Strand	-
Start	21127	End	31003
Name	OJ990730_13.0103.C16.o4.gs	Method	GENSCAN
Start	21127	End	31003
GI	none	Score	.71

Exons 21127..21296, 21624..21676, 22011..22336, 22799..22968,
22990..23190, 24156..24488, 25158..25208, 26752..26843,
28395..28538, 29774..29845, 29977..30142, 30408..30626,
30943..31003

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19290	Strand	-
Start	21127	End	31003
Name	OJ990730_13.0103.C16.o2.np	Method	AAT/NAP
Start	22010	End	30555
GI	2462749	Score	1104

Exons 22010..22336, 22799..23190, 24156..24488, 27123..27270,
27453..27552, 27839..27910, 28395..28538, 29977..30029,
30063..30164, 30472..30555

GI Descrip. (AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19290	Strand	-
Start	21127	End	31003
Name	OJ990730_13.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	22838	End	24486
GI	none	Score	104
Exons	22838..23197, 22857..22973, 23064..23174, 24157..24486, 24167..24475		

Seq. No.	9022	Seq. ID	OJ990730_13.0103.C16
Gene No.	19290	Strand	-
Start	21127	End	31003
Name	OJ990730_13.0103.C16.o1.tw	Method	TBLASTX:Wheat
Start	22838	End	23186
GI	none	Score	61
Exons	22838..23182, 22857..22982, 23052..23186		

Seq. No.	9023	Seq. ID	OJ990730_13.0103.C17
Gene No.	19291	Strand	-
Start	1693	End	3072
Name	OJ990730_13.0103.C17.o1.gp	Method	AAT/GAP
Start	1290	End	1805
GI	2115_1.R1084	Score	1008
Exons	1290..1805		

GI Descrip. '4138581/emb|CAA67107| 1.0e-31 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]'

Seq. No.	9023	Seq. ID	OJ990730_13.0103.C17
Gene No.	19291	Strand	-
Start	1693	End	3072
Name	OJ990730_13.0103.C17.o1.gs	Method	GENSCAN
Start	1693	End	3066
GI	none	Score	.88
Exons	1693..1809, 2121..2217, 2298..2470, 2986..3066		

Seq. No.	9023	Seq. ID	OJ990730_13.0103.C17
Gene No.	19291	Strand	-
Start	1693	End	3072
Name	OJ990730_13.0103.C17.o1.np	Method	AAT/NAP
Start	1711	End	2483
GI	114009	Score	149
Exons	1711..1809, 2121..2217, 2298..2483		

GI Descrip. APAG PROTEIN gi|72927|pir||BVECAG apaG protein - Escherichia coli gi|40918|emb|CAA28418| (X04711) URF (apaG) (AA 1-375) [Escherichia coli] gi|216475|dbj|BAA01326| (D10483) apaG protein [Escherichia coli] gi|1786235 (AE000115) orf, hypothetical protein [Escherichia coli]

Seq. No.	9023	Seq. ID	OJ990730_13.0103.C17
Gene No.	19291	Strand	-
Start	1693	End	3072
Name	OJ990730_13.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	2134	End	3072
GI	none	Score	145

Exons	2134..2217, 2134..2202, 2136..2216, 2145..2255, 2282..2470, 2283..2441, 2290..2475, 2292..2471, 2297..2485, 2986..3072, 2987..3067		
Seq. No.	9023	Seq. ID	OJ990730_13.0103.C17
Gene No.	19291	Strand	-
Start	1693	End	3072
Name	OJ990730_13.0103.C17.o2.gp	Method	AAT/GAP
Start	2196	End	3071
GI	8799_1.R1084	Score	482
Exons	2196..2217, 2298..2470, 2986..3071		
GI Descrip.	'114009/sp|P05636|APAG_ECOLI 5.0e-10 APAG PROTEIN >gi_72927_pir__BVECAG apaG protein - Escherichia coli >gi_40918_emb_CAA28418_ (X04711) URF (apaG) (AA 1-375) [Escherichia coli] >gi_216475_dbj_BAA01326_ (D10483) apaG protein [Escherichia coli] >gi_1786235 (AE000115) orf, hypothetical protein [Escherichia coli]'		
Seq. No.	9023	Seq. ID	OJ990730_13.0103.C17
Gene No.	19291	Strand	-
Start	1693	End	3072
Name	OJ990730_13.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	2300	End	3072
GI	none	Score	98
Exons	2300..2461, 2300..2470, 2304..2471, 2304..2477, 2308..2472, 2986..3072, 2990..3067		
Seq. No.	9024	Seq. ID	OJ990730_13.0103.C18
Gene No.	19292	Strand	+
Start	252	End	575
Name	OJ990730_13.0103.C18.o1.gs	Method	GENSCAN
Start	252	End	575
GI	none	Score	.98
Exons	252..575		
Seq. No.	9024	Seq. ID	OJ990730_13.0103.C18
Gene No.	19293	Strand	-
Start	1	End	686
Name	OJ990730_13.0103.C18.o1.gp	Method	AAT/GAP
Start	1	End	686
GI	8799_1.R1084	Score	1136
Exons	1..110, 215..686		
GI Descrip.	'114009/sp|P05636|APAG_ECOLI 5.0e-10 APAG PROTEIN >gi_72927_pir__BVECAG apaG protein - Escherichia coli >gi_40918_emb_CAA28418_ (X04711) URF (apaG) (AA 1-375) [Escherichia coli] >gi_216475_dbj_BAA01326_ (D10483) apaG protein [Escherichia coli] >gi_1786235 (AE000115) orf, hypothetical protein [Escherichia coli]'		
Seq. No.	9024	Seq. ID	OJ990730_13.0103.C18
Gene No.	19294	Strand	-
Start	2725	End	3076
Name	OJ990730_13.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	278
GI	none	Score	101
Exons	1..111, 3..116, 3..113, 198..278, 213..260, 215..277		

Seq. No.	9024	Seq. ID	OJ990730_13.0103.C18
Gene No.	19294	Strand	-
Start	2725	End	3076
Name	OJ990730_13.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	3	End	281
GI	none	Score	62
Exons	3..113, 198..281, 215..280		

Seq. No.	9024	Seq. ID	OJ990730_13.0103.C18
Gene No.	19294	Strand	-
Start	2725	End	3076
Name	OJ990730_13.0103.C18.o2.gs	Method	GENSCAN
Start	2725	End	3076
GI	none	Score	.65
Exons	2725..2795, 3067..3076		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19295	Strand	+
Start	527	End	5421
Name	OJ990730_13.0103.C19.o1.np	Method	AAT/NAP
Start	527	End	5181
GI	1778147	Score	861
Exons	527..691, 1036..1216, 1331..1453, 3702..3854, 3961..4046, 4189..4273, 4412..4531, 4607..4675, 4892..5021, 5108..5181		
GI Descrip.	(U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19295	Strand	+
Start	527	End	5421
Name	OJ990730_13.0103.C19.o2.gs	Method	GENSCAN
Start	3738	End	5047
GI	none	Score	.61
Exons	3738..3854, 4412..4531, 4892..5047		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19295	Strand	+
Start	527	End	5421
Name	OJ990730_13.0103.C19.o1.gp	Method	AAT/GAP
Start	4215	End	5421
GI	11092_1.R1084	Score	1253
Exons	4215..4273, 4412..4531, 4607..4675, 4892..5021, 5108..5421		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19296	Strand	-
Start	581	End	1321
Name	OJ990730_13.0103.C19.o1.gs	Method	GENSCAN
Start	581	End	1321
GI	none	Score	.99
Exons	581..1321		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o2.tc	Method	TBLASTX:Cress

Start	1136	End	5180
GI	none	Score	96
Exons	1136..1309, 1316..1456, 1327..1434, 3699..3854, 3704..3853, 3711..3863, 3958..4077, 3963..4061, 4184..4273, 4192..4275, 4355..4528, 4411..4518, 4607..4678, 4886..5023, 4888..5031, 5103..5180, 5107..5148		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o2.tm	Method	TBLASTX:Maize
Start	1136	End	5180
GI	none	Score	91
Exons	1136..1240, 1316..1456, 3683..3856, 3699..3875, 3720..3884, 3958..4050, 3963..4046, 3994..4047, 4184..4273, 4192..4287, 4195..4326, 4409..4528, 4432..4524, 4592..4678, 4886..5023, 4888..5031, 5106..5180, 5107..5148		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o4.ts	Method	TBLASTX:Soybean
Start	3698	End	4287
GI	none	Score	174
Exons	3698..3865, 3699..3875, 3699..3884, 3945..4046, 3958..4077, 3985..4047, 4184..4273, 4184..4273, 4189..4287		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	6518	End	7764
GI	none	Score	57
Exons	6518..6619, 6530..6856, 6531..6647, 6674..6808, 6711..6845, 6857..6967, 6879..6968, 7049..7447, 7050..7448, 7445..7618, 7446..7490, 7621..7764, 7625..7759		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	6527	End	8984
GI	none	Score	134
Exons	6527..6808, 6530..6856, 6711..6845, 6857..6967, 6858..6968, 7049..7447, 7050..7448, 7451..7519, 7451..7618, 7621..7971, 7625..7969, 8035..8328, 8036..8257, 8334..8393, 8338..8409, 8343..8408, 8410..8652, 8411..8653, 8679..8984, 8770..8931, 8898..8978		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	6530	End	8978
GI	none	Score	149
Exons	6530..6865, 6531..6647, 6711..6845, 6857..6967, 6867..6968, 7037..7099, 7047..7097, 7049..7447, 7050..7448, 7448..7504,		

7457..7618, 7624..7944, 7625..7945, 7946..7969, 8035..8334, 8036..8254, 8320..8409, 8343..8408, 8413..8652, 8414..8653, 8679..8978, 8770..8922

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o3.gs	Method	GENSCAN
Start	6530	End	8975
GI	none	Score	.77
Exons	6530..6966, 7048..7574, 7580..8640, 8709..8975		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o1.tw	Method	TBLASTX:Wheat
Start	6533	End	7133
GI	none	Score	95
Exons	6533..6967, 6534..6650, 6674..6808, 6711..6968, 7049..7120, 7050..7133		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o2.np	Method	AAT/NAP
Start	6533	End	9882
GI	2499709	Score	3277
Exons	6533..6966, 7048..9017, 9809..9882		
GI Descrip.	PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) gi|1020415|dbj|BAA11136| (D73411) phospholipase D [Oryza sativa] gi|1902903|dbj|BAA19467| (AB001920) phospholipase D [Oryza sativa]		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o4.tw	Method	TBLASTX:Wheat
Start	7136	End	7310
GI	none	Score	164
Exons	7136..7309, 7137..7310		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o2.gp	Method	AAT/GAP
Start	7194	End	7651
GI	43947_1.R1084	Score	866
Exons	7194..7651		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 6.0e-65 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19

Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o3.tw	Method	TBLASTX:Wheat
Start	7311	End	7546
GI	none	Score	167
Exons	7311..7448, 7313..7447, 7451..7522, 7451..7546		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o3.ts	Method	TBLASTX:Soybean
Start	7765	End	7971
GI	none	Score	202
Exons	7765..7971, 7766..7969		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o2.ts	Method	TBLASTX:Soybean
Start	8035	End	8981
GI	none	Score	236
Exons	8035..8334, 8036..8257, 8338..8409, 8343..8408, 8410..8649, 8411..8650, 8679..8981, 8770..8931		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o2.tw	Method	TBLASTX:Wheat
Start	8239	End	8608
GI	none	Score	67
Exons	8239..8328, 8320..8409, 8337..8411, 8343..8399, 8410..8601, 8411..8608		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o3.gp	Method	AAT/GAP
Start	8278	End	8618
GI	3090597	Score	544
Exons	8278..8618		
GI Descrip.	2499709/sp|Q43007|PLD1_ORYSA 1.0e-30 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]		

Seq. No.	9025	Seq. ID	OJ990730_13.0103.C19
Gene No.	19297	Strand	-
Start	6530	End	9882
Name	OJ990730_13.0103.C19.o4.gp	Method	AAT/GAP
Start	8660	End	8980
GI	uC-osf1M202062d10b1	Score	593
Exons	8660..8980		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 1.0e-49 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza		

sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19298	Strand	+
Start	2714	End	4920
Name	OJ990730_13.0103.C20.o2.gs	Method	GENSCAN
Start	2714	End	3340
GI	none	Score	.97
Exons	2714..2809, 2903..3340		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19298	Strand	+
Start	2714	End	4920
Name	OJ990730_13.0103.C20.o2.np	Method	AAT/NAP
Start	2774	End	4920
GI	3241945	Score	203
Exons	2774..3337, 4873..4920		
GI Descrip.	(AC004625) unknown protein [Arabidopsis thaliana]		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19299	Strand	+
Start	5621	End	10157
Name	OJ990730_13.0103.C20.o3.np	Method	AAT/NAP
Start	5621	End	9803
GI	4138581	Score	1113
Exons	5621..5679, 7094..7541, 9068..9229, 9333..9803		
GI Descrip.	(X98474) mitochondrial energy transfer protein [Solanum tuberosum]		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19299	Strand	+
Start	5621	End	10157
Name	OJ990730_13.0103.C20.o4.gs	Method	GENSCAN
Start	8227	End	9803
GI	none	Score	.94
Exons	8227..8274, 9068..9229, 9333..9803		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19299	Strand	+
Start	5621	End	10157
Name	OJ990730_13.0103.C20.o2.gp	Method	AAT/GAP
Start	9518	End	10157
GI	3764119	Score	1180
Exons	9518..10157		
GI Descrip.	4138581/emb|CAA67107| 1.0e-31 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19300	Strand	-
Start	1	End	154
Name	OJ990730_13.0103.C20.o1.gp	Method	AAT/GAP
Start	1	End	154
GI	uC-osf1M202062d10b1	Score	283
Exons	1..154		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 1.0e-49 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1)		

(PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19300	Strand	-
Start	1	End	154
Name	OJ990730_13.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	103
GI	2499708	Score	111
Exons	1..103		
GI Descrip.	PHOSPHOLIPASE D PRECURSOR (PLD) (CHOLINE PHOSPHATASE) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D) gi|1020409|dbj|BAA11135| (D73410) phospholipase D [Zea mays]		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19301	Strand	-
Start	300	End	1512
Name	OJ990730_13.0103.C20.o1.gs	Method	GENSCAN
Start	300	End	1512
GI	none	Score	.8
Exons	300..429, 675..808, 1146..1512		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19302	Strand	-
Start	7035	End	9806
Name	OJ990730_13.0103.C20.o2.tm	Method	TBLASTX:Maize
Start	2902	End	3205
GI	none	Score	157
Exons	2902..3036, 2903..3037, 3067..3126, 3071..3154, 3154..3192, 3158..3205		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19302	Strand	-
Start	7035	End	9806
Name	OJ990730_13.0103.C20.o2.tc	Method	TBLASTX:Cress
Start	2930	End	3187
GI	none	Score	115
Exons	2930..3043, 3056..3187		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19302	Strand	-
Start	7035	End	9806
Name	OJ990730_13.0103.C20.o2.ts	Method	TBLASTX:Soybean
Start	2930	End	3304
GI	none	Score	120
Exons	2930..3058, 2938..3012, 3058..3183, 3059..3187, 3212..3304		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19302	Strand	-
Start	7035	End	9806
Name	OJ990730_13.0103.C20.o3.gs	Method	GENSCAN
Start	7035	End	7565
GI	none	Score	.96
Exons	7035..7250, 7329..7565		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19302	Strand	-
Start	7035	End	9806
Name	OJ990730_13.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	7296	End	9803
GI	none	Score	342
Exons	7296..7541, 7307..7561, 7314..7544, 7326..7430, 7343..7429, 9062..9229, 9067..9225, 9327..9800, 9342..9449, 9345..9482, 9347..9643, 9498..9803, 9630..9776		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19302	Strand	-
Start	7035	End	9806
Name	OJ990730_13.0103.C20.o1.tc	Method	TBLASTX:Cress
Start	7326	End	9800
GI	none	Score	80
Exons	7326..7424, 9333..9482, 9510..9800, 9512..9643		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19302	Strand	-
Start	7035	End	9806
Name	OJ990730_13.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	7338	End	9806
GI	none	Score	68
Exons	7338..7424, 9149..9274, 9326..9628, 9327..9632, 9342..9482, 9627..9776, 9636..9806, 9710..9799		

Seq. No.	9026	Seq. ID	OJ990730_13.0103.C20
Gene No.	19302	Strand	-
Start	7035	End	9806
Name	OJ990730_13.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	7343	End	9801
GI	none	Score	64
Exons	7343..7429, 7347..7430, 9333..9482, 9509..9643, 9510..9800, 9586..9801, 9710..9799		

Seq. No.	9027	Seq. ID	OJ990730_13.0103.C21
Gene No.	19303	Strand	+
Start	3589	End	5740
Name	OJ990730_13.0103.C21.o1.gs	Method	GENSCAN
Start	3589	End	5740
GI	none	Score	.87
Exons	3589..3749, 4475..4525, 4818..5025, 5153..5244, 5288..5357, 5453..5740		

Seq. No.	9027	Seq. ID	OJ990730_13.0103.C21
Gene No.	19304	Strand	-
Start	6371	End	7167
Name	OJ990730_13.0103.C21.o1.np	Method	AAT/NAP
Start	6371	End	7167
GI	4680183	Score	175
Exons	6371..6460, 7065..7167		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9027	Seq. ID	OJ990730_13.0103.C21
Gene No.	19305	Strand	-
Start	12428	End	14529

Name	OJ990730_13.0103.C21.o3.gs	Method	GENSCAN
Start	12428	End	14529
GI	none	Score	.64
Exons	12428..13015, 13026..13204, 13296..13413, 14064..14220, 14399..14529		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19306	Strand	+
Start	1364	End	2562
Name	OJ990730_13.0103.C22.o1.gs	Method	GENSCAN
Start	1364	End	2562
GI	none	Score	.55
Exons	1364..1723, 2247..2341, 2385..2562		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19307	Strand	+
Start	8605	End	10364
Name	OJ990730_13.0103.C22.o4.gs	Method	GENSCAN
Start	8605	End	10364
GI	none	Score	.83
Exons	8605..8661, 9342..9495, 10087..10364		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19308	Strand	+
Start	11673	End	14644
Name	OJ990730_13.0103.C22.o2.np	Method	AAT/NAP
Start	11673	End	14644
GI	5042463	Score	77
Exons	11673..11694, 12910..13097, 13671..14036, 14585..14644		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o2.gs	Method	GENSCAN
Start	3649	End	6206
GI	none	Score	.84
Exons	3649..3720, 4603..4648, 5529..5646, 6191..6206		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o1.gp	Method	AAT/GAP
Start	5961	End	10456
GI	16688_1.R1084	Score	2499
Exons	5961..6778, 9724..9829, 10072..10456		
GI Descrip.	'5902371/gb|AAD55473.1|AC009322_13 6.0e-57 (AC009322) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o3.gs	Method	GENSCAN
Start	6377	End	6769
GI	none	Score	.92
Exons	6377..6769		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o1.np	Method	AAT/NAP
Start	6537	End	10357
GI	5902371	Score	457
Exons	6537..6778, 9724..9829, 10072..10357		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o1.ts	Method	TBLASTX:Soybean
Start	6588	End	10178
GI	none	Score	104
Exons	6588..6713, 6614..6781, 6626..6808, 9683..9802, 9724..9828, 10071..10178, 10072..10173		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o1.tc	Method	TBLASTX:Cress
Start	6591	End	10223
GI	none	Score	185
Exons	6591..6785, 6614..6781, 9724..9828, 9725..9793, 10071..10223, 10075..10191		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	6608	End	10211
GI	none	Score	254
Exons	6608..6781, 6609..6785, 9724..9771, 9725..9772, 9769..9828, 9772..9831, 10071..10181, 10071..10211, 10075..10203		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o3.np	Method	AAT/NAP
Start	10317	End	15730
GI	4680203	Score	60
Exons	10317..10349, 14339..14398, 15380..15489, 15563..15730		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9028	Seq. ID	OJ990730_13.0103.C22
Gene No.	19309	Strand	-
Start	3649	End	15973
Name	OJ990730_13.0103.C22.o6.gs	Method	GENSCAN
Start	14544	End	15973
GI	none	Score	.6
Exons	14544..14714, 15232..15489, 15563..15973		

Seq. No.	9029	Seq. ID	OJ990920_10.0110.C1
Gene No.	19310	Strand	+
Start	1	End	599
Name	OJ990920_10.0110.C1.o1.np	Method	AAT/NAP

Start	1	End	599
GI	2792214	Score	221
Exons	1..110, 294..599		
GI Descrip.	(AF032685) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	9030	Seq. ID	OJ990920_10.0110.C3
Gene No.	19311	Strand	+
Start	1	End	267
Name	OJ990920_10.0110.C3.o1.np	Method	AAT/NAP
Start	1	End	267
GI	3582335	Score	391
Exons	1..267		
GI Descrip.	(AC005496) putative thiamin biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	9030	Seq. ID	OJ990920_10.0110.C3
Gene No.	19311	Strand	+
Start	1	End	267
Name	OJ990920_10.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	267
GI	none	Score	406
Exons	1..267, 3..266		

Seq. No.	9030	Seq. ID	OJ990920_10.0110.C3
Gene No.	19311	Strand	+
Start	1	End	267
Name	OJ990920_10.0110.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	267
GI	none	Score	396
Exons	1..267, 4..264, 5..265, 6..266		

Seq. No.	9030	Seq. ID	OJ990920_10.0110.C3
Gene No.	19311	Strand	+
Start	1	End	267
Name	OJ990920_10.0110.C3.o1.tc	Method	TBLASTX:Cress
Start	1	End	267
GI	none	Score	391
Exons	1..267, 3..266		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4
Gene No.	19312	Strand	+
Start	1	End	709
Name	OJ990920_10.0110.C4.o1.np	Method	AAT/NAP
Start	1	End	703
GI	6911845	Score	352
Exons	1..169, 214..703		
GI Descrip.	(AL138649) sulfotransferase-like protein [Arabidopsis thaliana]		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4
Gene No.	19312	Strand	+
Start	1	End	709
Name	OJ990920_10.0110.C4.o1.gs	Method	GENSCAN
Start	259	End	709
GI	none	Score	.96
Exons	259..709		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4

Gene No.	19313	Strand	+
Start	3934	End	5797
Name	OJ990920_10.0110.C4.o2.np	Method	AAT/NAP
Start	3044	End	4388
GI	6630699	Score	82
Exons	3044..3064, 4311..4388		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4
Gene No.	19313	Strand	+
Start	3934	End	5797
Name	OJ990920_10.0110.C4.o2.gs	Method	GENSCAN
Start	3934	End	5797
GI	none	Score	.56
Exons	3934..3970, 4571..4715, 5010..5125, 5262..5517, 5746..5797		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4
Gene No.	19314	Strand	-
Start	4528	End	7490
Name	OJ990920_10.0110.C4.o1.tc	Method	TBLASTX:Cress
Start	278	End	700
GI	none	Score	233
Exons	278..556, 433..582, 578..700, 583..678		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4
Gene No.	19314	Strand	-
Start	4528	End	7490
Name	OJ990920_10.0110.C4.o1.tm	Method	TBLASTX:Maize
Start	344	End	592
GI	none	Score	189
Exons	344..592, 433..561		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4
Gene No.	19314	Strand	-
Start	4528	End	7490
Name	OJ990920_10.0110.C4.o1.tw	Method	TBLASTX:Wheat
Start	1059	End	1307
GI	none	Score	66
Exons	1059..1127, 1060..1131, 1132..1188, 1138..1182, 1196..1306, 1197..1307		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4
Gene No.	19314	Strand	-
Start	4528	End	7490
Name	OJ990920_10.0110.C4.o3.np	Method	AAT/NAP
Start	4528	End	6867
GI	5922620	Score	447
Exons	4528..4662, 5835..6241, 6644..6867		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9031	Seq. ID	OJ990920_10.0110.C4

Gene No.	19314	Strand	-
Start	4528	End	7490
Name	OJ990920_10.0110.C4.o3.gs	Method	GENSCAN
Start	6128	End	7490
GI	none	Score	.65
Exons	6128..6241, 6695..6932, 7071..7258, 7305..7490		

Seq. No.	9032	Seq. ID	OJ990920_10.0110.C5
Gene No.	19315	Strand	+
Start	432	End	6364
Name	OJ990920_10.0110.C5.o1.np	Method	AAT/NAP
Start	432	End	6364
GI	4680207	Score	384
Exons	432..532, 2581..3397, 6318..6364		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	9032	Seq. ID	OJ990920_10.0110.C5
Gene No.	19316	Strand	-
Start	4178	End	7798
Name	OJ990920_10.0110.C5.o2.np	Method	AAT/NAP
Start	4178	End	7798
GI	4467124	Score	133
Exons	4178..4209, 6783..7205, 7743..7798		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9032	Seq. ID	OJ990920_10.0110.C5
Gene No.	19316	Strand	-
Start	4178	End	7798
Name	OJ990920_10.0110.C5.o2.gs	Method	GENSCAN
Start	7301	End	7717
GI	none	Score	.79
Exons	7301..7318, 7428..7717		

Seq. No.	9033	Seq. ID	OJ990920_10.0110.C6
Gene No.	19317	Strand	+
Start	1	End	2085
Name	OJ990920_10.0110.C6.o1.np	Method	AAT/NAP
Start	1	End	2085
GI	6721550	Score	76
Exons	1..243, 1996..2085		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	9033	Seq. ID	OJ990920_10.0110.C6
Gene No.	19318	Strand	-
Start	2346	End	2608
Name	OJ990920_10.0110.C6.o1.gp	Method	AAT/GAP
Start	2346	End	2608
GI	5005063	Score	522
Exons	2346..2608		

Seq. No.	9034	Seq. ID	OJ990920_10.0110.C7
Gene No.	19319	Strand	+
Start	2828	End	3182
Name	OJ990920_10.0110.C7.o2.gs	Method	GENSCAN
Start	2828	End	3182
GI	none	Score	.54

Exons	2828..2880, 2888..3182		
Seq. No.	9034	Seq. ID	OJ990920_10.0110.C7
Gene No.	19320	Strand	-
Start	2006	End	2601
Name	OJ990920_10.0110.C7.o1.gs	Method	GENSCAN
Start	2006	End	2601
GI	none	Score	.46
Exons	2006..2082, 2129..2391, 2402..2601		
Seq. No.	9035	Seq. ID	OJ990920_10.0110.C8
Gene No.	19321	Strand	+
Start	1011	End	3865
Name	OJ990920_10.0110.C8.o1.np	Method	AAT/NAP
Start	1011	End	3865
GI	6815097	Score	1660
Exons	1011..1879, 2385..2995, 3110..3865		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	9035	Seq. ID	OJ990920_10.0110.C8
Gene No.	19321	Strand	+
Start	1011	End	3865
Name	OJ990920_10.0110.C8.o1.tc	Method	TBLASTX:Cress
Start	1095	End	1349
GI	none	Score	186
Exons	1095..1349		
Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19322	Strand	+
Start	1	End	1445
Name	OJ990920_10.0110.C9.o1.np	Method	AAT/NAP
Start	1	End	1445
GI	6815097	Score	1496
Exons	1..538, 680..1445		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19322	Strand	+
Start	1	End	1445
Name	OJ990920_10.0110.C9.o1.gs	Method	GENSCAN
Start	171	End	1331
GI	none	Score	.84
Exons	171..1331		
Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+
Start	6729	End	7492
Name	OJ990920_10.0110.C9.o1.ts	Method	TBLASTX:Soybean
Start	66	End	511
GI	5509260	Score	183
Exons	66..404, 69..272, 431..511, 432..503		
GI Descrip.	-		
Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+

Start	6729	End	7492
Name	OJ990920_10.0110.C9.o1.tc	Method	TBLASTX:Cress
Start	117	End	380
GI	none	Score	190
Exons	117..380		

Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+
Start	6729	End	7492
Name	OJ990920_10.0110.C9.o1.tw	Method	TBLASTX:Wheat
Start	147	End	497
GI	none	Score	164
Exons	147..398, 149..256, 432..497		

Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+
Start	6729	End	7492
Name	OJ990920_10.0110.C9.o4.tm	Method	TBLASTX:Maize
Start	168	End	602
GI	none	Score	134
Exons	168..386, 432..602		

Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+
Start	6729	End	7492
Name	OJ990920_10.0110.C9.o2.ts	Method	TBLASTX:Soybean
Start	936	End	1199
GI	none	Score	197
Exons	936..1199		

Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+
Start	6729	End	7492
Name	OJ990920_10.0110.C9.o2.tm	Method	TBLASTX:Maize
Start	954	End	1244
GI	none	Score	301
Exons	954..1244, 965..1243		

Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+
Start	6729	End	7492
Name	OJ990920_10.0110.C9.o1.tm	Method	TBLASTX:Maize
Start	1245	End	1625
GI	none	Score	125
Exons	1245..1328, 1246..1332, 1247..1339, 1250..1342, 1397..1624, 1400..1597, 1401..1622, 1405..1623, 1410..1625		

Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+
Start	6729	End	7492
Name	OJ990920_10.0110.C9.o2.np	Method	AAT/NAP
Start	6729	End	7492
GI	4680207	Score	379
Exons	6729..7492		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	9036	Seq. ID	OJ990920_10.0110.C9
Gene No.	19323	Strand	+
Start	6729	End	7492
Name	OJ990920_10.0110.C9.o3.tm	Method	TBLASTX:Maize
Start	7156	End	7450
GI	none	Score	255
Exons	7156..7437, 7169..7450		

Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19324	Strand	+
Start	1	End	2963
Name	OJ990920_10.0110.C10.o1.np	Method	AAT/NAP
Start	1	End	2963
GI	4680207	Score	778
Exons	1..70, 474..2412, 2889..2963		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19324	Strand	+
Start	1	End	2963
Name	OJ990920_10.0110.C10.o1.gs	Method	GENSCAN
Start	318	End	2764
GI	none	Score	.7
Exons	318..1963, 2253..2464, 2491..2516, 2576..2764		

Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o1.ts	Method	TBLASTX:Soybean
Start	426	End	1451
GI	none	Score	58
Exons	426..515, 618..797, 776..934, 786..926, 942..1181, 1335..1451		

Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o1.tm	Method	TBLASTX:Maize
Start	635	End	1157
GI	none	Score	58
Exons	635..715, 640..759, 762..926, 776..937, 944..1120, 954..1157		

Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o1.tw	Method	TBLASTX:Wheat
Start	891	End	1346
GI	none	Score	249
Exons	891..1193, 893..1123, 1215..1346		

Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o1.gp	Method	AAT/GAP
Start	3032	End	4093
GI	uC-osrocyp006c11a1	Score	780
Exons	3032..3256, 3911..4093		

GI Descrip.	'3582335 1.0e-27 (AC005496) unknown protein [Arabidopsis thaliana]'		
Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o2.tm	Method	TBLASTX:Maize
Start	3906	End	4091
GI	none	Score	216
Exons	3906..4091, 3908..4090, 3909..4091		
Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o2.np	Method	AAT/NAP
Start	3911	End	4093
GI	3582335	Score	185
Exons	3911..4093		
GI Descrip.	(AC005496) putative thiamin biosynthesis protein [Arabidopsis thaliana]		
Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o2.gs	Method	GENSCAN
Start	3912	End	4048
GI	none	Score	.72
Exons	3912..4048		
Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o2.ts	Method	TBLASTX:Soybean
Start	3915	End	4092
GI	none	Score	108
Exons	3915..4046, 3921..4046, 3934..4047, 4042..4092, 4056..4091		
Seq. No.	9037	Seq. ID	OJ990920_10.0110.C10
Gene No.	19325	Strand	-
Start	3032	End	4093
Name	OJ990920_10.0110.C10.o1.tc	Method	TBLASTX:Cress
Start	3927	End	4092
GI	none	Score	77
Exons	3927..4088, 3927..4091, 3928..4092		
Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o1.gp	Method	AAT/GAP
Start	1	End	1275
GI	2235_1.R1084	Score	536
Exons	1..305, 1256..1275		
GI Descrip.	'3582335 0.0e+00 (AC005496) unknown protein [Arabidopsis thaliana]'		
Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-

Start	1	End	3198
Name	OJ990920_10.0110.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	291
GI	none	Score	346
Exons	1..291, 1..246, 2..253		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o2.tc	Method	TBLASTX:Cress
Start	1	End	291
GI	none	Score	228
Exons	1..291, 1..246, 20..253		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	288
GI	none	Score	67
Exons	1..246, 2..55, 3..251, 4..288, 78..251		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o1.np	Method	AAT/NAP
Start	1	End	2695
GI	3582335	Score	438
Exons	1..291, 2548..2695		
GI Descrip.	(AC005496) putative thiamin biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o1.gs	Method	GENSCAN
Start	587	End	3142
GI	none	Score	.95
Exons	587..652, 707..831, 1740..3142		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o2.gp	Method	AAT/GAP
Start	1165	End	1653
GI	none	Score	936
Exons	1165..1653		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o1.tc	Method	TBLASTX:Cress
Start	1736	End	2245
GI	none	Score	229
Exons	1736..2245, 1737..2201		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11

Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o2.ts	Method	TBLASTX:Soybean
Start	1736	End	2104
GI	none	Score	162
Exons	1736..2104, 1737..2093		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o2.np	Method	AAT/NAP
Start	1739	End	3198
GI	4468804	Score	977
Exons	1739..3060, 3141..3198		
GI Descrip.	(AL035601) putative protein [Arabidopsis thaliana]		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o2.tm	Method	TBLASTX:Maize
Start	1751	End	2329
GI	none	Score	194
Exons	1751..1771, 1781..2329, 1851..2195		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o3.ts	Method	TBLASTX:Soybean
Start	2306	End	2872
GI	none	Score	40
Exons	2306..2422, 2342..2458, 2410..2457, 2462..2566, 2462..2566, 2564..2644, 2565..2645, 2672..2719, 2677..2715, 2789..2872		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o3.tm	Method	TBLASTX:Maize
Start	2357	End	3106
GI	none	Score	57
Exons	2357..2479, 2462..2554, 2481..2567, 2651..2857, 2651..2854, 2660..2845, 2864..3103, 2882..3106, 2891..3106, 2901..3035, 2969..3046		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o3.tc	Method	TBLASTX:Cress
Start	2427	End	3130
GI	none	Score	41
Exons	2427..2525, 2462..2569, 2564..2656, 2565..2606, 2672..2851, 2672..2857, 2673..2855, 2786..2857, 2876..3130, 2891..3106, 2891..3103, 2955..3035		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o3.gp	Method	AAT/GAP

Start	2588	End	2924
GI	LIB3474-011-P1-K1-H1	Score	674
Exons	2588..2924		
GI Descrip.	'4468804/emb|CAB38205| 6.0e-21 (AL035601) putative protein [Arabidopsis thaliana]'		

Seq. No.	9038	Seq. ID	OJ990920_10.0110.C11
Gene No.	19326	Strand	-
Start	1	End	3198
Name	OJ990920_10.0110.C11.o1.tw	Method	TBLASTX:Wheat
Start	2660	End	3106
GI	none	Score	72
Exons	2660..2863, 2660..2872, 2781..2873, 2891..3034, 2951..3106, 2991..3035		

Seq. No.	9039	Seq. ID	OJ990920_10.0110.C12
Gene No.	19327	Strand	+
Start	389	End	1835
Name	OJ990920_10.0110.C12.o1.gs	Method	GENSCAN
Start	389	End	1835
GI	none	Score	.79
Exons	389..497, 1770..1835		

Seq. No.	9039	Seq. ID	OJ990920_10.0110.C12
Gene No.	19328	Strand	+
Start	5603	End	8967
Name	OJ990920_10.0110.C12.o1.np	Method	AAT/NAP
Start	5603	End	8967
GI	2493814	Score	613
Exons	5603..6276, 8340..8849, 8877..8967		
GI Descrip.	HYPOTHETICAL 46.4 KD PROTEIN SLL1917 gi|1652349|dbj|BAA17272| (D90904) oxygen independent coprophorphyrinogen III oxidase [Synechocystis sp.]		

Seq. No.	9039	Seq. ID	OJ990920_10.0110.C12
Gene No.	19329	Strand	-
Start	3883	End	6226
Name	OJ990920_10.0110.C12.o2.gs	Method	GENSCAN
Start	3883	End	6226
GI	none	Score	.59
Exons	3883..4101, 5642..6226		

Seq. No.	9040	Seq. ID	OJ990920_10.0110.C13
Gene No.	19330	Strand	+
Start	523	End	933
Name	OJ990920_10.0110.C13.o1.gs	Method	GENSCAN
Start	523	End	933
GI	none	Score	.93
Exons	523..933		

Seq. No.	9040	Seq. ID	OJ990920_10.0110.C13
Gene No.	19331	Strand	+
Start	1483	End	1888
Name	OJ990920_10.0110.C13.o2.tm	Method	TBLASTX:Maize
Start	853	End	1118
GI	none	Score	225
Exons	853..1104, 903..1118, 903..1088		

Seq. No.	9040	Seq. ID	OJ990920_10.0110.C13
Gene No.	19331	Strand	+
Start	1483	End	1888
Name	OJ990920_10.0110.C13.o1.tm	Method	TBLASTX:Maize
Start	1475	End	1876
GI	none	Score	99
Exons	1475..1564, 1483..1569, 1578..1808, 1814..1876		

Seq. No.	9040	Seq. ID	OJ990920_10.0110.C13
Gene No.	19331	Strand	+
Start	1483	End	1888
Name	OJ990920_10.0110.C13.o1.np	Method	AAT/NAP
Start	1483	End	1888
GI	6069646	Score	207
Exons	1483..1888		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	9041	Seq. ID	OJ990920_10.0110.C14
Gene No.	19332	Strand	-
Start	69	End	961
Name	OJ990920_10.0110.C14.o1.np	Method	AAT/NAP
Start	69	End	961
GI	5902448	Score	1406
Exons	69..961		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	9041	Seq. ID	OJ990920_10.0110.C14
Gene No.	19332	Strand	-
Start	69	End	961
Name	OJ990920_10.0110.C14.o1.gs	Method	GENSCAN
Start	319	End	961
GI	none	Score	.71
Exons	319..411, 772..961		

Seq. No.	9041	Seq. ID	OJ990920_10.0110.C14
Gene No.	19332	Strand	-
Start	69	End	961
Name	OJ990920_10.0110.C14.o1.tw	Method	TBLASTX:Wheat
Start	551	End	838
GI	none	Score	182
Exons	551..838		

Seq. No.	9042	Seq. ID	OJ990920_10.0110.C15
Gene No.	19333	Strand	+
Start	246	End	410
Name	OJ990920_10.0110.C15.o1.gs	Method	GENSCAN
Start	246	End	410
GI	none	Score	.69
Exons	246..410		

Seq. No.	9042	Seq. ID	OJ990920_10.0110.C15
Gene No.	19334	Strand	+

Start	2402	End	4166
Name	OJ990920_10.0110.C15.o1.np	Method	AAT/NAP
Start	2402	End	4166
GI	6907087	Score	977
Exons	2402..2772, 2817..3527, 4065..4166		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9042	Seq. ID	OJ990920_10.0110.C15
Gene No.	19335	Strand	+
Start	4631	End	5012
Name	OJ990920_10.0110.C15.o1.gp	Method	AAT/GAP
Start	4631	End	5012
GI	uC-osflcyp033a04b1	Score	647
Exons	4631..5012		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9042	Seq. ID	OJ990920_10.0110.C15
Gene No.	19336	Strand	-
Start	2584	End	3957
Name	OJ990920_10.0110.C15.o2.gs	Method	GENSCAN
Start	2584	End	3957
GI	none	Score	.56
Exons	2584..3054, 3184..3798, 3880..3957		

Seq. No.	9042	Seq. ID	OJ990920_10.0110.C15
Gene No.	19337	Strand	-
Start	4559	End	6508
Name	OJ990920_10.0110.C15.o2.np	Method	AAT/NAP
Start	4559	End	6508
GI	4680186	Score	247
Exons	4559..4764, 6492..6508		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9042	Seq. ID	OJ990920_10.0110.C15
Gene No.	19338	Strand	-
Start	9095	End	9894
Name	OJ990920_10.0110.C15.o3.np	Method	AAT/NAP
Start	9095	End	9894
GI	5852180	Score	39
Exons	9095..9135, 9452..9894		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9043	Seq. ID	OJ990920_10.0110.C16
Gene No.	19339	Strand	+
Start	206	End	272
Name	OJ990920_10.0110.C16.o1.gs	Method	GENSCAN
Start	206	End	272
GI	none	Score	.47
Exons	206..272		

Seq. No.	9043	Seq. ID	OJ990920_10.0110.C16
Gene No.	19340	Strand	+
Start	705	End	6280
Name	OJ990920_10.0110.C16.o1.gp	Method	AAT/GAP

Start	705	End	4547
GI	67_1.R1084	Score	1145
Exons	705..912, 4052..4547		
GI Descrip.	'4126695/dbj|BAA36699| 1.0e-39 (AB016505) prolamin [Oryza sativa]'		

Seq. No.	9043	Seq. ID	OJ990920_10.0110.C16
Gene No.	19340	Strand	+
Start	705	End	6280
Name	OJ990920_10.0110.C16.o1.np	Method	AAT/NAP
Start	800	End	4406
GI	4126695	Score	729
Exons	800..905, 4045..4406		
GI Descrip.	(AB016505) prolamin [Oryza sativa]		

Seq. No.	9043	Seq. ID	OJ990920_10.0110.C16
Gene No.	19340	Strand	+
Start	705	End	6280
Name	OJ990920_10.0110.C16.o2.np	Method	AAT/NAP
Start	4331	End	6280
GI	4680186	Score	121
Exons	4331..4361, 6049..6280		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9043	Seq. ID	OJ990920_10.0110.C16
Gene No.	19341	Strand	+
Start	9384	End	9446
Name	OJ990920_10.0110.C16.o4.np	Method	AAT/NAP
Start	9384	End	9446
GI	4126695	Score	67
Exons	9384..9446		
GI Descrip.	(AB016505) prolamin [Oryza sativa]		

Seq. No.	9043	Seq. ID	OJ990920_10.0110.C16
Gene No.	19342	Strand	-
Start	6671	End	8260
Name	OJ990920_10.0110.C16.o3.np	Method	AAT/NAP
Start	6671	End	8260
GI	6907087	Score	610
Exons	6671..6772, 7309..8260		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9043	Seq. ID	OJ990920_10.0110.C16
Gene No.	19343	Strand	-
Start	9365	End	9618
Name	OJ990920_10.0110.C16.o2.gp	Method	AAT/GAP
Start	9365	End	9618
GI	2798882	Score	410
Exons	9365..9618		
GI Descrip.	4126695/dbj|BAA36699| 1.0e-18 (AB016505) prolamin [Oryza sativa]		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19344	Strand	+
Start	1	End	95
Name	OJ990920_10.0110.C17.o1.np	Method	AAT/NAP

Start	1	End	95
GI	4126695	Score	140
Exons	1..95		
GI Descrip.	(AB016505) prolamin [Oryza sativa]		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19345	Strand	+
Start	1583	End	1688
Name	OJ990920_10.0110.C17.o1.gs	Method	GENSCAN
Start	1583	End	1688
GI	none	Score	.87
Exons	1583..1688		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19346	Strand	+
Start	2754	End	5589
Name	OJ990920_10.0110.C17.o3.gp	Method	AAT/GAP
Start	2500	End	2573
GI	uC-osf1M202097d10b1	Score	111
Exons	2500..2573		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19346	Strand	+
Start	2754	End	5589
Name	OJ990920_10.0110.C17.o2.gs	Method	GENSCAN
Start	2754	End	5049
GI	none	Score	.89
Exons	2754..2823, 4244..5049		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19346	Strand	+
Start	2754	End	5589
Name	OJ990920_10.0110.C17.o2.np	Method	AAT/NAP
Start	4009	End	5589
GI	6907087	Score	757
Exons	4009..4947, 5488..5589		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19347	Strand	+
Start	6053	End	6135
Name	OJ990920_10.0110.C17.o4.gp	Method	AAT/GAP
Start	6053	End	6135
GI	uC-osf1cyp033a04b1	Score	127
Exons	6053..6135		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19348	Strand	+
Start	8236	End	10439
Name	OJ990920_10.0110.C17.o5.gp	Method	AAT/GAP
Start	8058	End	8439

GI	uC-osflcyp033a04b1	Score	663
Exons	8058..8439		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19348	Strand	+
Start	8236	End	10439
Name	OJ990920_10.0110.C17.o4.gs	Method	GENSCAN
Start	8236	End	10439
GI	none	Score	.69
Exons	8236..8307, 9736..9753, 9925..10033, 10234..10439		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19349	Strand	-
Start	1	End	267
Name	OJ990920_10.0110.C17.o1.gp	Method	AAT/GAP
Start	1	End	267
GI	2798882	Score	478
Exons	1..267		
GI Descrip.	4126695/dbj|BAA36699| 1.0e-18 (AB016505) prolamin [Oryza sativa]		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19350	Strand	-
Start	5482	End	14656
Name	OJ990920_10.0110.C17.o3.gs	Method	GENSCAN
Start	5482	End	7379
GI	none	Score	.62
Exons	5482..5588, 5985..6095, 6821..7379		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19350	Strand	-
Start	5482	End	14656
Name	OJ990920_10.0110.C17.o3.np	Method	AAT/NAP
Start	5960	End	14656
GI	6691716	Score	1458
Exons	5960..6019, 13377..13586, 13783..14656		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19350	Strand	-
Start	5482	End	14656
Name	OJ990920_10.0110.C17.o5.gs	Method	GENSCAN
Start	12074	End	14656
GI	none	Score	.8
Exons	12074..12131, 12194..12319, 13397..13576, 13623..13738, 13772..14656		

Seq. No.	9044	Seq. ID	OJ990920_10.0110.C17
Gene No.	19350	Strand	-
Start	5482	End	14656
Name	OJ990920_10.0110.C17.o1.tw	Method	TBLASTX:Wheat
Start	14246	End	14537
GI	none	Score	60
Exons	14246..14536, 14454..14537		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19351	Strand	+
Start	380	End	1527
Name	OJ990920_10.0110.C18.o1.gs	Method	GENSCAN
Start	380	End	1527
GI	none	Score	.83
Exons	380..457, 591..728, 1519..1527		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19352	Strand	+
Start	12963	End	18505
Name	OJ990920_10.0110.C18.o4.np	Method	AAT/NAP
Start	12963	End	18502
GI	6498441	Score	1305
Exons	12963..13000, 15276..15341, 16759..18129, 18223..18502		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19352	Strand	+
Start	12963	End	18505
Name	OJ990920_10.0110.C18.o3.gs	Method	GENSCAN
Start	17672	End	18505
GI	none	Score	.93
Exons	17672..18505		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19353	Strand	-
Start	3579	End	9841
Name	OJ990920_10.0110.C18.o1.np	Method	AAT/NAP
Start	3579	End	9841
GI	4680179	Score	6355
Exons	3579..4339, 6029..9841		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19354	Strand	-
Start	12792	End	13688
Name	OJ990920_10.0110.C18.o2.np	Method	AAT/NAP
Start	12792	End	13688
GI	5852178	Score	556
Exons	12792..12887, 13250..13353, 13385..13688		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19355	Strand	-
Start	15378	End	16055
Name	OJ990920_10.0110.C18.o3.np	Method	AAT/NAP
Start	15378	End	16055
GI	5852178	Score	78
Exons	15378..15603, 15772..16055		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-

Start	18842	End	19786
Name	OJ990920_10.0110.C18.o5.tw	Method	TBLASTX:Wheat
Start	3624	End	4046
GI	none	Score	117
Exons	3624..4046, 3820..4011		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o1.tm	Method	TBLASTX:Maize
Start	3816	End	6089
GI	none	Score	155
Exons	3816..4085, 3817..4077, 4146..4244, 4147..4242, 4242..4346, 4249..4335, 6030..6089		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o10.tw	Method	TBLASTX:Wheat
Start	4144	End	6272
GI	none	Score	157
Exons	4144..4350, 4146..4346, 4147..4356, 6108..6272, 6124..6216		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o4.tw	Method	TBLASTX:Wheat
Start	6033	End	18490
GI	none	Score	346
Exons	6033..6107, 17879..18337, 17899..17985, 18040..18141, 18362..18490		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o3.tm	Method	TBLASTX:Maize
Start	6141	End	6431
GI	none	Score	162
Exons	6141..6431, 6145..6330, 6147..6362		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o2.ts	Method	TBLASTX:Soybean
Start	6230	End	6491
GI	none	Score	88
Exons	6230..6454, 6231..6362, 6231..6491, 6385..6486		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o1.tc	Method	TBLASTX:Cress
Start	6255	End	6581
GI	none	Score	64
Exons	6255..6398, 6256..6333, 6399..6581		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18

Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o2.tw	Method	TBLASTX:Wheat
Start	6279	End	6758
GI	none	Score	211
Exons	6279..6758, 6280..6663, 6285..6740		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o1.tw	Method	TBLASTX:Wheat
Start	6762	End	7271
GI	none	Score	235
Exons	6762..7271, 6852..7154, 6853..7239		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o2.tm	Method	TBLASTX:Maize
Start	6846	End	7199
GI	none	Score	150
Exons	6846..7199, 6861..7157, 6931..7197		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o4.ts	Method	TBLASTX:Soybean
Start	7020	End	7262
GI	none	Score	183
Exons	7020..7262		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o5.tm	Method	TBLASTX:Maize
Start	7236	End	7736
GI	none	Score	157
Exons	7236..7571, 7557..7736		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o6.tw	Method	TBLASTX:Wheat
Start	7272	End	7574
GI	none	Score	162
Exons	7272..7574, 7272..7574		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o1.ts	Method	TBLASTX:Soybean
Start	7286	End	7682
GI	none	Score	111
Exons	7286..7639, 7287..7646, 7288..7530, 7505..7639, 7566..7643, 7650..7682, 7650..7682		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18

Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o3.tw	Method	TBLASTX:Wheat
Start	7623	End	8105
GI	none	Score	263
Exons	7623..8105, 7666..8046		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o3.ts	Method	TBLASTX:Soybean
Start	7755	End	8069
GI	none	Score	62
Exons	7755..8069, 7756..7953		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o6.tm	Method	TBLASTX:Maize
Start	7804	End	8096
GI	none	Score	160
Exons	7804..7995, 7806..8096, 7835..8068		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o11.tw	Method	TBLASTX:Wheat
Start	8363	End	8632
GI	none	Score	70
Exons	8363..8632, 8366..8449		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o9.tm	Method	TBLASTX:Maize
Start	8366	End	8686
GI	none	Score	206
Exons	8366..8686		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o8.tm	Method	TBLASTX:Maize
Start	9032	End	9328
GI	none	Score	105
Exons	9032..9328, 9122..9325, 9141..9311		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o9.tw	Method	TBLASTX:Wheat
Start	9209	End	9572
GI	none	Score	123
Exons	9209..9568, 9210..9572		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-

Start	18842	End	19786
Name	OJ990920_10.0110.C18.o8.tw	Method	TBLASTX:Wheat
Start	16754	End	17137
GI	none	Score	313
Exons	16754..17137, 16774..16989		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o4.tm	Method	TBLASTX:Maize
Start	17368	End	17734
GI	none	Score	153
Exons	17368..17505, 17391..17501, 17687..17734	17495..17695, 17497..17682,	

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o7.tw	Method	TBLASTX:Wheat
Start	17510	End	17872
GI	none	Score	373
Exons	17510..17872, 17510..17764, 17515..17856		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o7.tm	Method	TBLASTX:Maize
Start	18200	End	18454
GI	none	Score	153
Exons	18200..18373, 18313..18372, 18352..18453, 18353..18454		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o4.gs	Method	GENSCAN
Start	18842	End	19482
GI	none	Score	.92
Exons	18842..19293, 19367..19482		

Seq. No.	9045	Seq. ID	OJ990920_10.0110.C18
Gene No.	19356	Strand	-
Start	18842	End	19786
Name	OJ990920_10.0110.C18.o5.np	Method	AAT/NAP
Start	18845	End	19786
GI	6691716	Score	669
Exons	18845..19293, 19367..19493, 19748..19786		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9046	Seq. ID	OJ990830_19.0120.C1
Gene No.	19357	Strand	+
Start	224	End	262
Name	OJ990830_19.0120.C1.o1.gs	Method	GENSCAN
Start	224	End	262
GI	none	Score	.8
Exons	224..262		

Seq. No.	9047	Seq. ID	OJ990830_19.0120.C2
Gene No.	19358	Strand	+
Start	1	End	2066
Name	OJ990830_19.0120.C2.o1.np	Method	AAT/NAP
Start	1	End	2066
GI	5441880	Score	1376
Exons	1..689, 1133..1167, 1426..1743, 2009..2066		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9047	Seq. ID	OJ990830_19.0120.C2
Gene No.	19358	Strand	+
Start	1	End	2066
Name	OJ990830_19.0120.C2.o1.tm	Method	TBLASTX:Maize
Start	302	End	709
GI	none	Score	277
Exons	302..709, 427..648, 449..688		

Seq. No.	9047	Seq. ID	OJ990830_19.0120.C2
Gene No.	19358	Strand	+
Start	1	End	2066
Name	OJ990830_19.0120.C2.o1.tw	Method	TBLASTX:Wheat
Start	545	End	925
GI	none	Score	181
Exons	545..748, 545..736, 746..925, 769..861		

Seq. No.	9048	Seq. ID	OJ990830_19.0120.C3
Gene No.	19359	Strand	+
Start	459	End	845
Name	OJ990830_19.0120.C3.o1.gs	Method	GENSCAN
Start	459	End	845
GI	none	Score	.89
Exons	459..476, 726..845		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19360	Strand	+
Start	8860	End	10965
Name	OJ990830_19.0120.C4.o3.gs	Method	GENSCAN
Start	8860	End	10965
GI	none	Score	.8
Exons	8860..9351, 9447..10029, 10277..10396, 10487..10797, 10890..10965		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19360	Strand	+
Start	8860	End	10965
Name	OJ990830_19.0120.C4.o1.np	Method	AAT/NAP
Start	9316	End	10139
GI	6967112	Score	404
Exons	9316..9351, 9447..10139		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19361	Strand	-
Start	2759	End	6787

Name	OJ990830_19.0120.C4.o1.gs	Method	GENSCAN
Start	2759	End	6704
GI	none	Score	.94
Exons	2759..3022, 3988..4137, 4211..4414, 4580..4756, 4832..4999, 6104..6213, 6599..6704		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19361	Strand	-
Start	2759	End	6787
Name	OJ990830_19.0120.C4.o1.gp	Method	AAT/GAP
Start	3663	End	6787
GI	5276_1.R1084	Score	2490
Exons	3663..4137, 4211..4414, 4580..4756, 4832..4999, 5967..6008, 6104..6213, 6599..6787		
GI Descrip.	'3288883/dbj|BAA31260| 6.0e-13 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19362	Strand	-
Start	7141	End	7891
Name	OJ990830_19.0120.C4.o2.gs	Method	GENSCAN
Start	7141	End	7891
GI	none	Score	.95
Exons	7141..7500, 7871..7891		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19363	Strand	
Start	8950	End	9905
Name	OJ990830_19.0120.C4.o1.tm	Method	TBLASTX:Maize
Start	8950	End	9646
GI	none	Score	385
Exons	8950..9351, 8955..9290, 8986..9336, 9437..9646, 9444..9644		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19363	Strand	
Start	8950	End	9905
Name	OJ990830_19.0120.C4.o1.ts	Method	TBLASTX:Soybean
Start	9441	End	9818
GI	none	Score	200
Exons	9441..9617, 9444..9647, 9521..9631, 9654..9818, 9659..9802, 9684..9818		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19363	Strand	
Start	8950	End	9905
Name	OJ990830_19.0120.C4.o1.tw	Method	TBLASTX:Wheat
Start	9497	End	9905
GI	none	Score	456
Exons	9497..9901, 9498..9905		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19363	Strand	
Start	8950	End	9905
Name	OJ990830_19.0120.C4.o4.tm	Method	TBLASTX:Maize
Start	9647	End	9827
GI	none	Score	101
Exons	9647..9823, 9647..9775, 9648..9827, 9648..9827		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19364	Strand	
Start	9831	End	10130
Name	OJ990830_19.0120.C4.o2.tm	Method	TBLASTX:Maize
Start	9831	End	10130
GI	none	Score	345
Exons	9831..10130, 9833..10060		

Seq. No.	9049	Seq. ID	OJ990830_19.0120.C4
Gene No.	19365	Strand	
Start	10497	End	10749
Name	OJ990830_19.0120.C4.o3.tm	Method	TBLASTX:Maize
Start	10497	End	10749
GI	none	Score	300
Exons	10497..10742, 10498..10749		

Seq. No.	9050	Seq. ID	OJ990830_19.0120.C5
Gene No.	19366	Strand	+
Start	71	End	7893
Name	OJ990830_19.0120.C5.o1.gs	Method	GENSCAN
Start	71	End	7893
GI	none	Score	.54
Exons	71..622, 2956..3009, 3699..3851, 3898..4124, 4195..4337, 5400..5489, 6892..7009, 7807..7893		

Seq. No.	9050	Seq. ID	OJ990830_19.0120.C5
Gene No.	19366	Strand	+
Start	71	End	7893
Name	OJ990830_19.0120.C5.o1.gp	Method	AAT/GAP
Start	3649	End	4070
GI	none	Score	500
Exons	3649..3923, 4049..4070		

Seq. No.	9050	Seq. ID	OJ990830_19.0120.C5
Gene No.	19366	Strand	+
Start	71	End	7893
Name	OJ990830_19.0120.C5.o2.gp	Method	AAT/GAP
Start	4270	End	6198
GI	1559_1.R1084	Score	1435
Exons	4270..4298, 4417..4544, 5400..5489, 5629..6198		
GI Descrip.	'2293479/gb|AF011331|AF011331 1.0e-09 Oryza sativa glycine-rich protein mRNA, complete cds'		

Seq. No.	9051	Seq. ID	OJ990830_19.0120.C6
Gene No.	19367	Strand	+
Start	122	End	5266
Name	OJ990830_19.0120.C6.o1.gs	Method	GENSCAN
Start	122	End	4513
GI	none	Score	.47
Exons	122..299, 1147..1277, 1674..1857, 3604..3712, 4472..4513		

Seq. No.	9051	Seq. ID	OJ990830_19.0120.C6
Gene No.	19367	Strand	+
Start	122	End	5266
Name	OJ990830_19.0120.C6.o1.gp	Method	AAT/GAP
Start	1554	End	1787

GI	2312126	Score	419
Exons	1554..1787		

Seq. No.	9051	Seq. ID	OJ990830_19.0120.C6
Gene No.	19367	Strand	+
Start	122	End	5266
Name	OJ990830_19.0120.C6.o2.gp	Method	AAT/GAP
Start	1731	End	2248
GI	none	Score	803
Exons	1731..1757, 1782..2248		

Seq. No.	9051	Seq. ID	OJ990830_19.0120.C6
Gene No.	19367	Strand	+
Start	122	End	5266
Name	OJ990830_19.0120.C6.o3.gp	Method	AAT/GAP
Start	2623	End	3324
GI	LIB3432-052-P1-K1-D9	Score	802
Exons	2623..3001, 3273..3324		
GI Descrip.	'2326760/emb|Y14434|MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene'		

Seq. No.	9051	Seq. ID	OJ990830_19.0120.C6
Gene No.	19367	Strand	+
Start	122	End	5266
Name	OJ990830_19.0120.C6.o1.np	Method	AAT/NAP
Start	3479	End	5266
GI	4510427	Score	60
Exons	3479..3544, 3621..3712, 5218..5266		
GI Descrip.	(AC006929) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9051	Seq. ID	OJ990830_19.0120.C6
Gene No.	19368	Strand	-
Start	4636	End	6067
Name	OJ990830_19.0120.C6.o2.np	Method	AAT/NAP
Start	4636	End	6067
GI	5852181	Score	143
Exons	4636..4695, 5880..6067		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	9051	Seq. ID	OJ990830_19.0120.C6
Gene No.	19368	Strand	-
Start	4636	End	6067
Name	OJ990830_19.0120.C6.o2.gs	Method	GENSCAN
Start	5530	End	5780
GI	none	Score	.7
Exons	5530..5780		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19369	Strand	+
Start	6290	End	8399
Name	OJ990830_19.0120.C7.o2.gs	Method	GENSCAN
Start	6290	End	8399
GI	none	Score	.76
Exons	6290..6373, 6418..6560, 7061..7169, 8028..8399		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19370	Strand	+

Start	9636	End	16885
Name	OJ990830_19.0120.C7.o1.np	Method	AAT/NAP
Start	9636	End	16882
GI	6691716	Score	2511
Exons	9636..10533, 10731..10896, 10974..11086, 11163..11323, 11401..11588, 11663..11765, 11916..12029, 16434..16882		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19370	Strand	+
Start	9636	End	16885
Name	OJ990830_19.0120.C7.o3.gs	Method	GENSCAN
Start	9636	End	13453
GI	none	Score	.65
Exons	9636..10520, 10607..10896, 10941..11323, 11401..11588, 11607..11635, 11677..11852, 11925..12029, 12299..12341, 12615..12721, 13149..13319, 13374..13453		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19370	Strand	+
Start	9636	End	16885
Name	OJ990830_19.0120.C7.o5.gs	Method	GENSCAN
Start	15753	End	16885
GI	none	Score	.78
Exons	15753..15756, 16434..16649, 16731..16885		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o7.gs	Method	GENSCAN
Start	20841	End	29758
GI	none	Score	.89
Exons	20841..20924, 20982..21057, 21158..21238, 22325..22460, 24776..25055, 25905..26056, 26493..26650, 26757..26890, 27787..27920, 28008..28083, 28410..28574, 29705..29758		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o3.np	Method	AAT/NAP
Start	24894	End	28967
GI	6331695	Score	1961
Exons	24894..25073, 25905..26163, 26501..26650, 26757..26890, 27599..27691, 27787..27920, 28008..28083, 28148..28224, 28306..28339, 28425..28574, 28684..28818, 28899..28967		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o3.gp	Method	AAT/GAP
Start	25882	End	27986
GI	97_1.R1084	Score	1308
Exons	25882..26163, 26501..26650, 26757..26890, 27599..27691, 27787..27986		

GI Descrip. '1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o4.gp	Method	AAT/GAP
Start	25988	End	28092
GI	97_1.R1084	Score	1330
Exons	25988..26163, 26501..26650, 26757..26890, 27599..27691, 27787..27920, 28008..28092		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o2.gp	Method	AAT/GAP
Start	26232	End	26491
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	26232..26491		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o5.gp	Method	AAT/GAP
Start	26751	End	28800
GI	97_1.R1084	Score	1407
Exons	26751..26890, 27599..27691, 27787..27920, 28008..28083, 28148..28224, 28306..28339, 28425..28574, 28684..28800		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o6.gp	Method	AAT/GAP
Start	26791	End	28825
GI	97_1.R1084	Score	1373
Exons	26791..26890, 27599..27691, 27787..27920, 28008..28083, 28148..28224, 28306..28339, 28425..28574, 28684..28825		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o9.gp	Method	AAT/GAP
Start	27108	End	29212
GI	97_1.R1084	Score	1770
Exons	27108..27166, 27574..27691, 27787..27920, 28008..28083, 28148..28224, 28306..28339, 28425..28574, 28684..28818, 28899..29212		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o8.gp	Method	AAT/GAP

Start	27580	End	29046
GI	97_1.R1084	Score	1466
Exons	27580..27691, 27787..27920, 28008..28083, 28148..28224, 28306..28339, 28425..28574, 28684..28818, 28899..29046		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o10.gp	Method	AAT/GAP
Start	27598	End	29338
GI	97_1.R1084	Score	2015
Exons	27598..27691, 27787..27920, 28008..28083, 28148..28224, 28306..28339, 28425..28574, 28684..28818, 28899..29338		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19371	Strand	+
Start	20841	End	29758
Name	OJ990830_19.0120.C7.o7.gp	Method	AAT/GAP
Start	27599	End	28982
GI	97_1.R1084	Score	1360
Exons	27599..27691, 27787..27920, 28008..28083, 28148..28224, 28306..28339, 28425..28574, 28684..28818, 28899..28982		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19372	Strand	+
Start	35184	End	37575
Name	OJ990830_19.0120.C7.o9.gs	Method	GENSCAN
Start	35184	End	37575
GI	none	Score	.66
Exons	35184..35372, 35408..35502, 36582..36675, 37016..37140, 37488..37575		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19373	Strand	+
Start	39275	End	44307
Name	OJ990830_19.0120.C7.o10.gs	Method	GENSCAN
Start	39275	End	43982
GI	none	Score	.55
Exons	39275..39887, 39964..40149, 40363..40641, 40724..40915, 40997..41637, 41716..42027, 42247..42407, 42452..43982		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19373	Strand	+
Start	39275	End	44307
Name	OJ990830_19.0120.C7.o4.np	Method	AAT/NAP
Start	39811	End	44307
GI	6498441	Score	3465
Exons	39811..40874, 41202..41652, 41716..42089, 42273..42407, 42581..43208, 43395..43868, 43910..44307		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7

Gene No.	19374	Strand	-
Start	13833	End	14637
Name	OJ990830_19.0120.C7.o4.gs	Method	GENSCAN
Start	13833	End	14637
GI	none	Score	.94
Exons	13833..13859, 13991..14161, 14560..14637		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19375	Strand	-
Start	15226	End	15645
Name	OJ990830_19.0120.C7.o1.gp	Method	AAT/GAP
Start	15226	End	15645
GI	uC-osf1M202048c12b1	Score	572
Exons	15226..15645		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19376	Strand	-
Start	17192	End	20629
Name	OJ990830_19.0120.C7.o6.gs	Method	GENSCAN
Start	17192	End	20199
GI	none	Score	.8
Exons	17192..18276, 18406..18578, 19793..20199		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19376	Strand	-
Start	17192	End	20629
Name	OJ990830_19.0120.C7.o2.np	Method	AAT/NAP
Start	17195	End	20629
GI	5902445	Score	3001
Exons	17195..18271, 19810..20629		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o10.tw	Method	TBLASTX:Wheat
Start	9756	End	10046
GI	none	Score	200
Exons	9756..10046		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o2.tw	Method	TBLASTX:Wheat
Start	17207	End	17818
GI	none	Score	89
Exons	17207..17341, 17360..17818, 17556..17663		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o6.tm	Method	TBLASTX:Maize
Start	17243	End	17497
GI	none	Score	105
Exons	17243..17344, 17244..17345, 17324..17497, 17325..17450		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o4.tw	Method	TBLASTX:Wheat
Start	17820	End	18187
GI	none	Score	222
Exons	17820..18182, 17825..18187, 17933..18187		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o2.tm	Method	TBLASTX:Maize
Start	17963	End	19863
GI	none	Score	218
Exons	17963..18010, 18002..18277, 18015..18275, 19807..19863		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o9.tw	Method	TBLASTX:Wheat
Start	19819	End	43850
GI	none	Score	64
Exons	19819..19986, 20026..20157, 20026..20160, 43692..43850		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o2.ts	Method	TBLASTX:Soybean
Start	20243	End	43628
GI	none	Score	63
Exons	20243..20464, 20244..20339, 20388..20468, 20510..20608, 20514..20600, 43203..43301, 43392..43628		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o6.tw	Method	TBLASTX:Wheat
Start	20246	End	43682
GI	none	Score	269
Exons	20246..20599, 20253..20594, 43206..43304, 43212..43310, 43213..43323, 43352..43681, 43389..43682, 43389..43445, 43391..43600, 43509..43661		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o7.tm	Method	TBLASTX:Maize
Start	20273	End	20545
GI	none	Score	122
Exons	20273..20371, 20375..20545		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o1.ts	Method	TBLASTX:Soybean
Start	26497	End	28963

GI	none	Score	112
Exons	26497..26586, 26798..26890, 26811..26894, 27596..27697, 27604..27693, 27620..27697, 27736..27921, 27774..27917, 27778..27927, 28009..28086, 28009..28086, 28011..28088, 28124..28219, 28145..28225, 28147..28224, 28304..28342, 28424..28570, 28428..28574, 28444..28575, 28683..28763, 28683..28817, 28684..28818, 28896..28958, 28898..28963, 28898..28951		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o1.tc	Method	TBLASTX:Cress
Start	26759	End	28818
GI	none	Score	105
Exons	26759..26893, 27596..27697, 27625..27693, 27774..27923, 27781..27921, 28008..28085, 28009..28086, 28145..28225, 28428..28574, 28684..28818		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o5.tm	Method	TBLASTX:Maize
Start	26804	End	28189
GI	none	Score	64
Exons	26804..26896, 27605..27697, 27658..27693, 27774..27923, 27778..27927, 27781..27921, 28009..28071, 28009..28071, 28139..28189		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o1.tm	Method	TBLASTX:Maize
Start	28199	End	29043
GI	none	Score	62
Exons	28199..28225, 28288..28344, 28305..28340, 28422..28574, 28423..28575, 28423..28572, 28424..28573, 28656..28817, 28656..28817, 28670..28828, 28684..28818, 28896..28976, 28897..28953, 28898..28978, 28900..28977, 28984..29043		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o11.gp	Method	AAT/GAP
Start	30474	End	30721
GI	none	Score	431
Exons	30474..30721		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o12.gp	Method	AAT/GAP
Start	30723	End	33405
GI	90811_1.R1084	Score	944
Exons	30723..30906, 31232..31289, 31372..31399, 31554..31623, 32248..32348, 33321..33405		
GI Descrip.	'2388999/emb|CAB11732| 8.0e-10 (Z98981) hypothetical protein		

[Schizosaccharomyces pombe]'

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o8.gs	Method	GENSCAN
Start	30810	End	33473
GI	none	Score	.96
Exons	30810..30906, 31232..31289, 31372..31399, 31554..31623, 32248..32348, 33321..33473		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o7.tw	Method	TBLASTX:Wheat
Start	39963	End	40352
GI	none	Score	47
Exons	39963..40007, 40010..40084, 40010..40120, 40014..40112, 40079..40318, 40080..40352		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o3.tw	Method	TBLASTX:Wheat
Start	41085	End	41616
GI	none	Score	415
Exons	41085..41258, 41086..41616, 41098..41514, 41280..41597		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o1.tw	Method	TBLASTX:Wheat
Start	41724	End	42186
GI	none	Score	570
Exons	41724..42185, 41725..42186		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o4.ts	Method	TBLASTX:Soybean
Start	41764	End	42129
GI	none	Score	110
Exons	41764..41979, 41995..42129		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o3.tm	Method	TBLASTX:Maize
Start	41854	End	42210
GI	none	Score	374
Exons	41854..42210, 41895..42200		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o4.tm	Method	TBLASTX:Maize
Start	42237	End	42593

GI	none	Score	275
Exons	42237..42521, 42238..42522, 42510..42593		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o3.ts	Method	TBLASTX:Soybean
Start	42271	End	42507
GI	none	Score	201
Exons	42271..42507, 42390..42485		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o5.tw	Method	TBLASTX:Wheat
Start	42295	End	42718
GI	none	Score	268
Exons	42295..42516, 42298..42366, 42300..42515, 42394..42516, 42507..42596, 42533..42718, 42639..42713		

Seq. No.	9052	Seq. ID	OJ990830_19.0120.C7
Gene No.	19377	Strand	-
Start	30810	End	43850
Name	OJ990830_19.0120.C7.o8.tw	Method	TBLASTX:Wheat
Start	42942	End	43205
GI	none	Score	216
Exons	42942..43205, 43007..43201		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19378	Strand	+
Start	5261	End	5354
Name	OJ990830_19.0120.C8.o1.gp	Method	AAT/GAP
Start	5261	End	5354
GI	uC-osflcyp088b12b1	Score	145
Exons	5261..5354		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19379	Strand	+
Start	20586	End	20708
Name	OJ990830_19.0120.C8.o4.np	Method	AAT/NAP
Start	20586	End	20708
GI	4680183	Score	56
Exons	20586..20708		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19380	Strand	-
Start	84	End	371
Name	OJ990830_19.0120.C8.o1.np	Method	AAT/NAP
Start	84	End	371
GI	6721543	Score	119
Exons	84..203, 246..371		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8

Gene No.	19381	Strand	-
Start	13806	End	19766
Name	OJ990830_19.0120.C8.o3.gs	Method	GENSCAN
Start	13806	End	19766
GI	none	Score	.63
Exons	13806..14031, 14077..14168, 14296..14451, 15202..15603, 15874..17049, 17131..17730, 17770..18338, 18699..19298, 19331..19499, 19632..19766		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19381	Strand	-
Start	13806	End	19766
Name	OJ990830_19.0120.C8.o2.np	Method	AAT/NAP
Start	15212	End	19766
GI	4680179	Score	7490
Exons	15212..19766		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o2.tw	Method	TBLASTX:Wheat
Start	11776	End	16749
GI	none	Score	56
Exons	11776..11826, 16222..16749, 16223..16630, 16273..16668		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o7.tm	Method	TBLASTX:Maize
Start	15235	End	15432
GI	none	Score	190
Exons	15235..15432		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o6.tw	Method	TBLASTX:Wheat
Start	15256	End	15589
GI	none	Score	90
Exons	15256..15588, 15320..15589		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o1.tm	Method	TBLASTX:Maize
Start	15436	End	16035
GI	none	Score	189
Exons	15436..15876, 15449..15871, 15874..16035, 15881..16027		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o1.tw	Method	TBLASTX:Wheat
Start	15589	End	16215
GI	none	Score	326
Exons	15589..16215, 15590..16213		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o3.tm	Method	TBLASTX:Maize
Start	16084	End	16375
GI	none	Score	236
Exons	16084..16374, 16088..16375		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o2.ts	Method	TBLASTX:Soybean
Start	16174	End	16434
GI	none	Score	151
Exons	16174..16434, 16175..16429		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o1.tc	Method	TBLASTX:Cress
Start	16198	End	16515
GI	none	Score	88
Exons	16198..16341, 16199..16339, 16342..16515		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o2.tm	Method	TBLASTX:Maize
Start	16789	End	17142
GI	none	Score	77
Exons	16789..17142, 16797..17072, 16873..17073, 16874..17140		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o3.tw	Method	TBLASTX:Wheat
Start	16789	End	17214
GI	none	Score	204
Exons	16789..17136, 16789..17214, 16871..17182		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o3.ts	Method	TBLASTX:Soybean
Start	16963	End	17202
GI	none	Score	195
Exons	16963..17202		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o4.tm	Method	TBLASTX:Maize
Start	17179	End	17679
GI	none	Score	42
Exons	17179..17514, 17222..17272, 17297..17428, 17500..17679		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o5.tw	Method	TBLASTX:Wheat
Start	17215	End	17517
GI	none	Score	236
Exons	17215..17517, 17216..17485, 17224..17517		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o1.ts	Method	TBLASTX:Soybean
Start	17230	End	17625
GI	none	Score	143
Exons	17230..17589, 17231..17485, 17446..17589, 17581..17625, 17593..17625		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o4.tw	Method	TBLASTX:Wheat
Start	17566	End	18048
GI	none	Score	251
Exons	17566..18048, 17609..17938		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o5.tm	Method	TBLASTX:Maize
Start	17749	End	18036
GI	none	Score	160
Exons	17749..18036, 17750..17938		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o7.tw	Method	TBLASTX:Wheat
Start	18211	End	18627
GI	none	Score	105
Exons	18211..18393, 18212..18367, 18433..18627, 18479..18577, 18481..18624		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o8.tw	Method	TBLASTX:Wheat
Start	18904	End	19269
GI	none	Score	155
Exons	18904..18999, 18970..19269, 19058..19264		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o6.tm	Method	TBLASTX:Maize
Start	18970	End	19266
GI	none	Score	116
Exons	18970..19266, 18982..19266, 19079..19249		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o4.gs	Method	GENSCAN
Start	20016	End	20651
GI	none	Score	.94
Exons	20016..20485, 20631..20651		

Seq. No.	9053	Seq. ID	OJ990830_19.0120.C8
Gene No.	19382	Strand	-
Start	20016	End	20708
Name	OJ990830_19.0120.C8.o3.np	Method	AAT/NAP
Start	20019	End	20708
GI	5042448	Score	595
Exons	20019..20440, 20686..20708		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	9054	Seq. ID	OJ990830_19.0120.C9
Gene No.	19383	Strand	+
Start	386	End	2080
Name	OJ990830_19.0120.C9.o1.gs	Method	GENSCAN
Start	386	End	2036
GI	none	Score	.83
Exons	386..512, 1695..1809, 1912..2036		

Seq. No.	9054	Seq. ID	OJ990830_19.0120.C9
Gene No.	19383	Strand	+
Start	386	End	2080
Name	OJ990830_19.0120.C9.o2.np	Method	AAT/NAP
Start	467	End	556
GI	4680183	Score	98
Exons	467..556		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9054	Seq. ID	OJ990830_19.0120.C9
Gene No.	19383	Strand	+
Start	386	End	2080
Name	OJ990830_19.0120.C9.o3.np	Method	AAT/NAP
Start	1250	End	2080
GI	4680183	Score	147
Exons	1250..1338, 1989..2080		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9054	Seq. ID	OJ990830_19.0120.C9
Gene No.	19384	Strand	-
Start	1	End	434
Name	OJ990830_19.0120.C9.o1.np	Method	AAT/NAP
Start	1	End	434
GI	6721561	Score	90
Exons	1..23, 343..434		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9055	Seq. ID	OJ990830_19.0120.C10
Gene No.	19385	Strand	+
Start	142	End	256
Name	OJ990830_19.0120.C10.o1.gs	Method	GENSCAN
Start	142	End	256
GI	none	Score	.92
Exons	142..256		

Seq. No.	9056	Seq. ID	OJ990920_11.0131.C2
Gene No.	19386	Strand	+
Start	324	End	564
Name	OJ990920_11.0131.C2.o1.gp	Method	AAT/GAP
Start	324	End	564
GI	286782	Score	475
Exons	324..564		

Seq. No.	9057	Seq. ID	OJ990920_11.0131.C5
Gene No.	19387	Strand	+
Start	1	End	734
Name	OJ990920_11.0131.C5.o1.np	Method	AAT/NAP
Start	1	End	734
GI	5441880	Score	293
Exons	1..448, 683..734		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9057	Seq. ID	OJ990920_11.0131.C5
Gene No.	19387	Strand	+
Start	1	End	734
Name	OJ990920_11.0131.C5.o1.gs	Method	GENSCAN
Start	103	End	567
GI	none	Score	.79
Exons	103..567		

Seq. No.	9057	Seq. ID	OJ990920_11.0131.C5
Gene No.	19387	Strand	+
Start	1	End	734
Name	OJ990920_11.0131.C5.o1.tm	Method	TBLASTX:Maize
Start	108	End	519
GI	none	Score	208
Exons	108..308, 109..399, 163..399,	438..482,	439..519

Seq. No.	9057	Seq. ID	OJ990920_11.0131.C5
Gene No.	19387	Strand	+
Start	1	End	734
Name	OJ990920_11.0131.C5.o1.tw	Method	TBLASTX:Wheat
Start	244	End	630
GI	none	Score	164
Exons	244..417, 268..387, 407..490,	429..533,	430..630, 430..543

Seq. No.	9058	Seq. ID	OJ990920_11.0131.C6
Gene No.	19388	Strand	+
Start	1	End	3990
Name	OJ990920_11.0131.C6.o1.np	Method	AAT/NAP
Start	1	End	804

GI	5295955	Score	348
Exons	1..186, 225..804		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	9058	Seq. ID	OJ990920_11.0131.C6
Gene No.	19388	Strand	+
Start	1	End	3990
Name	OJ990920_11.0131.C6.o1.gs	Method	GENSCAN
Start	270	End	3990
GI	none	Score	.79
Exons	270..314, 2363..2554, 3919..3990		

Seq. No.	9058	Seq. ID	OJ990920_11.0131.C6
Gene No.	19388	Strand	+
Start	1	End	3990
Name	OJ990920_11.0131.C6.o2.np	Method	AAT/NAP
Start	2261	End	3946
GI	6539588	Score	192
Exons	2261..2578, 3797..3946		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9058	Seq. ID	OJ990920_11.0131.C6
Gene No.	19389	Strand	+
Start	8478	End	8970
Name	OJ990920_11.0131.C6.o1.gp	Method	AAT/GAP
Start	8478	End	8970
GI	none	Score	896
Exons	8478..8970		

Seq. No.	9058	Seq. ID	OJ990920_11.0131.C6
Gene No.	19390	Strand	-
Start	3943	End	4033
Name	OJ990920_11.0131.C6.o3.np	Method	AAT/NAP
Start	3943	End	4033
GI	5852084	Score	100
Exons	3943..4033		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	9058	Seq. ID	OJ990920_11.0131.C6
Gene No.	19391	Strand	
Start	4835	End	5100
Name	OJ990920_11.0131.C6.o2.tm	Method	TBLASTX:Maize
Start	4835	End	5100
GI	none	Score	129
Exons	4835..4945, 4948..5100		

Seq. No.	9058	Seq. ID	OJ990920_11.0131.C6
Gene No.	19392	Strand	
Start	9533	End	9810
Name	OJ990920_11.0131.C6.o1.tm	Method	TBLASTX:Maize
Start	9533	End	9810
GI	none	Score	50
Exons	9533..9580, 9537..9581, 9537..9584, 9592..9807, 9593..9808, 9594..9809, 9595..9810		

Seq. No.	9059	Seq. ID	OJ990920_11.0131.C7

Gene No.	19393	Strand	-
Start	1	End	769
Name	OJ990920_11.0131.C7.o1.np	Method	AAT/NAP
Start	1	End	769
GI	5295955	Score	133
Exons	1..19, 345..462, 722..769		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	9060	Seq. ID	OJ990920_11.0131.C8
Gene No.	19394	Strand	+
Start	9351	End	16886
Name	OJ990920_11.0131.C8.o2.np	Method	AAT/NAP
Start	9351	End	16886
GI	5922620	Score	92
Exons	9351..9427, 12108..12311, 13802..13902, 14103..14270, 14297..14369, 16745..16886		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9060	Seq. ID	OJ990920_11.0131.C8
Gene No.	19394	Strand	+
Start	9351	End	16886
Name	OJ990920_11.0131.C8.o1.gp	Method	AAT/GAP
Start	15660	End	15811
GI	5003203	Score	223
Exons	15660..15811		

Seq. No.	9060	Seq. ID	OJ990920_11.0131.C8
Gene No.	19395	Strand	+
Start	20375	End	20516
Name	OJ990920_11.0131.C8.o3.np	Method	AAT/NAP
Start	20375	End	20516
GI	6721543	Score	59
Exons	20375..20516		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	9060	Seq. ID	OJ990920_11.0131.C8
Gene No.	19396	Strand	-
Start	4071	End	6369
Name	OJ990920_11.0131.C8.o1.np	Method	AAT/NAP
Start	4058	End	5847
GI	4680339	Score	105
Exons	4058..4427, 5826..5847		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	9060	Seq. ID	OJ990920_11.0131.C8
Gene No.	19396	Strand	-
Start	4071	End	6369
Name	OJ990920_11.0131.C8.o2.gs	Method	GENSCAN
Start	4071	End	6369
GI	none	Score	.8
Exons	4071..5267, 5269..5429, 5477..5831, 5878..6369		

Seq. No.	9060	Seq. ID	OJ990920_11.0131.C8
Gene No.	19397	Strand	-
Start	11822	End	20533
Name	OJ990920_11.0131.C8.o1.tm	Method	TBLASTX:Maize
Start	4125	End	4538
GI	none	Score	65
Exons	4125..4328, 4147..4269, 4407..4538		

Seq. No.	9060	Seq. ID	OJ990920_11.0131.C8
Gene No.	19397	Strand	-
Start	11822	End	20533
Name	OJ990920_11.0131.C8.o4.gs	Method	GENSCAN
Start	11822	End	20533
GI	none	Score	.53
Exons	11822..11889, 12259..12441, 13972..14154, 14184..14289, 18498..18560, 20439..20533		

Seq. No.	9060	Seq. ID	OJ990920_11.0131.C8
Gene No.	19397	Strand	-
Start	11822	End	20533
Name	OJ990920_11.0131.C8.o2.gp	Method	AAT/GAP
Start	15541	End	16051
GI	LIB3431-055-P1-N1-G3	Score	827
Exons	15541..16051		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19398	Strand	+
Start	348	End	17975
Name	OJ990920_11.0131.C9.o1.np	Method	AAT/NAP
Start	348	End	4253
GI	5777623	Score	1237
Exons	348..523, 775..921, 1101..1610, 2419..2661, 4220..4253		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19398	Strand	+
Start	348	End	17975
Name	OJ990920_11.0131.C9.o3.np	Method	AAT/NAP
Start	760	End	10223
GI	5295955	Score	983
Exons	760..958, 1535..1901, 6828..6983, 7596..7665, 8208..8322, 9003..9095, 9133..9470, 9550..9600, 9640..10223		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19398	Strand	+
Start	348	End	17975
Name	OJ990920_11.0131.C9.o2.gs	Method	GENSCAN
Start	5946	End	17975
GI	none	Score	.59
Exons	5946..5951, 6876..7058, 7596..7733, 8208..8331, 9008..9289, 9682..9746, 11980..12367, 12451..12528, 12634..12833, 13264..13371, 13645..13716, 13737..14225, 15357..15528, 16420..16697, 16758..17975		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19399	Strand	+
Start	21276	End	23695
Name	OJ990920_11.0131.C9.o4.gs	Method	GENSCAN
Start	21276	End	23695
GI	none	Score	.57
Exons	21276..22135, 22174..22336, 22514..22855, 23140..23253, 23331..23695		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19400	Strand	-
Start	2569	End	5949
Name	OJ990920_11.0131.C9.o2.np	Method	AAT/NAP
Start	2569	End	5949
GI	4680186	Score	202
Exons	2569..2987, 3489..3548, 5056..5152, 5875..5949		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o4.ts	Method	TBLASTX:Soybean
Start	14879	End	15217
GI	none	Score	193
Exons	14879..15217		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o1.ts	Method	TBLASTX:Soybean
Start	16119	End	16531
GI	none	Score	155
Exons	16119..16256, 16121..16246, 16278..16529, 16289..16531		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o2.tw	Method	TBLASTX:Wheat
Start	16164	End	16562
GI	none	Score	78
Exons	16164..16253, 16293..16562		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o3.tw	Method	TBLASTX:Wheat
Start	16962	End	17255
GI	none	Score	138
Exons	16962..17123, 17151..17255		

Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o1.tm	Method	TBLASTX:Maize
Start	16980	End	17360
GI	none	Score	78

Exons	16980..17138, 17136..17360		
Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o3.ts	Method	TBLASTX:Soybean
Start	16983	End	17381
GI	none	Score	230
Exons	16983..17381		
Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o1.tw	Method	TBLASTX:Wheat
Start	17532	End	17939
GI	none	Score	221
Exons	17532..17939, 17546..17905		
Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o2.ts	Method	TBLASTX:Soybean
Start	17715	End	17965
GI	none	Score	236
Exons	17715..17960, 17715..17882, 17726..17887, 17924..17965		
Seq. No.	9061	Seq. ID	OJ990920_11.0131.C9
Gene No.	19401	Strand	-
Start	18353	End	20844
Name	OJ990920_11.0131.C9.o3.gs	Method	GENSCAN
Start	18353	End	20844
GI	none	Score	.87
Exons	18353..18934, 19020..19069, 19108..19141, 20428..20636, 20730..20844		
Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19402	Strand	+
Start	3622	End	7715
Name	OJ990920_11.0131.C10.o1.np	Method	AAT/NAP
Start	2205	End	7715
GI	6721547	Score	646
Exons	2205..2224, 3739..4167, 4216..4333, 4654..6181, 7615..7715		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19402	Strand	+
Start	3622	End	7715
Name	OJ990920_11.0131.C10.o2.gs	Method	GENSCAN
Start	3622	End	6467
GI	none	Score	.67
Exons	3622..4241, 4508..6467		
Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19403	Strand	+
Start	9425	End	12224
Name	OJ990920_11.0131.C10.o3.gs	Method	GENSCAN
Start	9425	End	12224

GI	none	Score	.68
Exons	9425..9639, 10148..10261, 12074..12224		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19404	Strand	+
Start	24350	End	25236
Name	OJ990920_11.0131.C10.o6.gs	Method	GENSCAN
Start	24350	End	25236
GI	none	Score	.78
Exons	24350..24384, 24622..24673, 25093..25236		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19405	Strand	+
Start	32983	End	35313
Name	OJ990920_11.0131.C10.o9.gs	Method	GENSCAN
Start	32983	End	35313
GI	none	Score	1
Exons	32983..35313		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19406	Strand	+
Start	53776	End	60568
Name	OJ990920_11.0131.C10.o5.np	Method	AAT/NAP
Start	53776	End	60568
GI	4914429	Score	586
Exons	53776..53808, 55121..55319, 55494..55593, 55771..56037, 56385..56462, 57045..57165, 57317..57461, 60549..60568		
GI Descrip.	(AL050351) SEC14-like protein [Arabidopsis thaliana]		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19406	Strand	+
Start	53776	End	60568
Name	OJ990920_11.0131.C10.o12.gs	Method	GENSCAN
Start	55141	End	59710
GI	none	Score	.85
Exons	55141..55319, 55494..55593, 55771..56037, 56385..56462, 57045..57146, 57240..57289, 57358..57466, 57571..57705, 58450..58548, 58806..58910, 59582..59710		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19407	Strand	+
Start	61050	End	63706
Name	OJ990920_11.0131.C10.o13.gs	Method	GENSCAN
Start	61050	End	63706
GI	none	Score	.93
Exons	61050..61092, 61172..61377, 63057..63137, 63210..63404, 63497..63706		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19407	Strand	+
Start	61050	End	63706
Name	OJ990920_11.0131.C10.o6.np	Method	AAT/NAP
Start	61050	End	63706
GI	1699023	Score	676
Exons	61050..61092, 61172..61300, 61434..61473, 63062..63137, 63210..63404, 63497..63706		
GI Descrip.	(U78866) putative arginine-aspartate-rich RNA binding protein		

[Arabidopsis thaliana] gi|1699051 (U78867) putative aspartate-arginine-rich mRNA binding protein [Arabidopsis thaliana]

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19408	Strand	-
Start	194	End	296
Name	OJ990920_11.0131.C10.o1.gs	Method	GENSCAN
Start	194	End	296
GI	none	Score	.89
Exons	194..296		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19409	Strand	-
Start	8154	End	10743
Name	OJ990920_11.0131.C10.o2.np	Method	AAT/NAP
Start	8154	End	10743
GI	1653513	Score	148
Exons	8154..8437, 10713..10743		
GI Descrip.	(D90914) hypothetical protein [Synechocystis sp.]		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19410	Strand	-
Start	12624	End	16003
Name	OJ990920_11.0131.C10.o4.gs	Method	GENSCAN
Start	12624	End	16003
GI	none	Score	.51
Exons	12624..12805, 12874..13626, 15985..16003		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19411	Strand	-
Start	17563	End	35234
Name	OJ990920_11.0131.C10.o3.np	Method	AAT/NAP
Start	17339	End	35234
GI	5420389	Score	159
Exons	17339..17365, 23369..23454, 27553..27611, 27891..28111, 34769..35234		
GI Descrip.	(AJ243460) proteophosphoglycan [Leishmania major]		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19411	Strand	-
Start	17563	End	35234
Name	OJ990920_11.0131.C10.o5.gs	Method	GENSCAN
Start	17563	End	23662
GI	none	Score	.72
Exons	17563..18138, 18273..18312, 18567..18802, 19312..19428, 19500..19695, 19800..19897, 20349..20462, 20893..20933, 21031..21123, 21210..21314, 21519..21720, 21825..21922, 22063..22207, 23265..23391, 23589..23662		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19411	Strand	-
Start	17563	End	35234
Name	OJ990920_11.0131.C10.o7.gs	Method	GENSCAN
Start	26236	End	28149
GI	none	Score	1
Exons	26236..28149		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19412	Strand	-
Start	36176	End	38916
Name	OJ990920_11.0131.C10.o10.gs	Method	GENSCAN
Start	36176	End	38916
GI	none	Score	.41
Exons	36176..36423, 36459..36567, 38318..38381, 38564..38916		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19412	Strand	-
Start	36176	End	38916
Name	OJ990920_11.0131.C10.o1.gp	Method	AAT/GAP
Start	38336	End	38544
GI	3106481	Score	375
Exons	38336..38544		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o12.tm	Method	TBLASTX:Maize
Start	364	End	741
GI	none	Score	121
Exons	364..435, 434..544, 588..719, 589..741		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o11.tm	Method	TBLASTX:Maize
Start	3886	End	4155
GI	none	Score	85
Exons	3886..3972, 3985..4155, 4002..4142, 4012..4143		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o6.tw	Method	TBLASTX:Wheat
Start	4514	End	4727
GI	none	Score	195
Exons	4514..4669, 4515..4721, 4521..4727		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o4.ts	Method	TBLASTX:Soybean
Start	4548	End	5774
GI	none	Score	104
Exons	4548..4730, 4728..5084, 4769..4813, 4925..5050, 5070..5228, 5460..5645, 5489..5644, 5655..5774		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o7.tw	Method	TBLASTX:Wheat
Start	4737	End	5015
GI	none	Score	189
Exons	4737..5015		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o7.tm	Method	TBLASTX:Maize
Start	4754	End	5243
GI	none	Score	47
Exons	4754..4834, 4755..4796, 4780..4830, 4907..5047, 4908..5066, 5057..5242, 5061..5243		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o1.tw	Method	TBLASTX:Wheat
Start	5016	End	5471
GI	none	Score	269
Exons	5016..5264, 5032..5235, 5132..5242, 5266..5310, 5273..5350, 5274..5399, 5385..5471		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o4.tw	Method	TBLASTX:Wheat
Start	5475	End	5699
GI	none	Score	214
Exons	5475..5699, 5490..5690		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o8.ts	Method	TBLASTX:Soybean
Start	17782	End	17996
GI	none	Score	132
Exons	17782..17961, 17783..17953, 17934..17996		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o5.ts	Method	TBLASTX:Soybean
Start	19829	End	21854
GI	none	Score	100
Exons	19829..19897, 20344..20430, 20346..20462, 20347..20463, 21041..21127, 21211..21285, 21212..21265, 21526..21723, 21526..21720, 21545..21727, 21546..21743, 21810..21854, 21819..21854		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o11.gs	Method	GENSCAN
Start	40454	End	53849
GI	none	Score	.53
Exons	40454..40547, 40589..40664, 40714..40857, 42564..42662, 43990..44080, 44213..44308, 44555..44713, 45228..46280, 46469..46751, 47420..47757, 48163..48322, 48400..48764, 49112..49253, 49329..49730, 50513..51219, 53691..53849		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o2.gp	Method	AAT/GAP
Start	41903	End	42009
GI	72793_1.R1084	Score	135
Exons	41903..42009		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-27 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o3.gp	Method	AAT/GAP
Start	44612	End	45349
GI	LIB3434-005-P1-K1-H1	Score	734
Exons	44612..44903, 45228..45349		
GI Descrip.	'3540184 7.0e-09 (AC004122) Similar to endoxylanases [Arabidopsis thaliana]'		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o1.tm	Method	TBLASTX:Maize
Start	45153	End	45621
GI	none	Score	425
Exons	45153..45620, 45159..45620, 45160..45621		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o4.np	Method	AAT/NAP
Start	45168	End	49663
GI	3540184	Score	2568
Exons	45168..46280, 46469..47002, 47141..47318, 47420..47757, 48151..48322, 48400..48785, 49112..49253, 49329..49663		
GI Descrip.	(AC004122) Similar to endoxylanases [Arabidopsis thaliana]		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o3.tc	Method	TBLASTX:Cress
Start	45192	End	45479
GI	none	Score	139
Exons	45192..45479, 45241..45474		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o1.ts	Method	TBLASTX:Soybean
Start	45225	End	45857
GI	none	Score	401
Exons	45225..45857, 45229..45855		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-

Start	40454	End	53849
Name	OJ990920_11.0131.C10.o1.tc	Method	TBLASTX:Cress
Start	45492	End	45921
GI	none	Score	277
Exons	45492..45914, 45505..45921		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o9.tm	Method	TBLASTX:Maize
Start	45705	End	45921
GI	none	Score	94
Exons	45705..45920, 45706..45921		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o3.ts	Method	TBLASTX:Soybean
Start	45870	End	46202
GI	none	Score	208
Exons	45870..46202, 45882..46202		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o4.gp	Method	AAT/GAP
Start	45889	End	46049
GI	2796882	Score	285
Exons	45889..46049		
GI Descrip.	3540184 7.0e-09 (AC004122) Similar to endoxylanases [Arabidopsis thaliana]		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o4.tm	Method	TBLASTX:Maize
Start	45933	End	46223
GI	none	Score	115
Exons	45933..46223, 45942..46157, 45946..46191		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o5.gp	Method	AAT/GAP
Start	46046	End	46653
GI	64560_1.R1084	Score	783
Exons	46046..46280, 46469..46653		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 3.0e-30 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o7.ts	Method	TBLASTX:Soybean
Start	46466	End	49255
GI	none	Score	48
Exons	46466..46546, 46490..46531, 46532..46708, 46542..46730,		

46544..46729, 48211..48306, 49142..49255

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o2.tm	Method	TBLASTX:Maize
Start	46628	End	48599
GI	none	Score	84
Exons	46628..46678, 46629..46673, 46679..47005, 46680..47003, 46684..47004, 47140..47199, 47141..47200, 48447..48599		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o6.gp	Method	AAT/GAP
Start	47219	End	47526
GI	572032	Score	361
Exons	47219..47318, 47420..47526		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19413	Strand	-
Start	40454	End	53849
Name	OJ990920_11.0131.C10.o3.tm	Method	TBLASTX:Maize
Start	47242	End	49525
GI	none	Score	103
Exons	47242..47316, 47243..47335, 47244..47348, 47417..47611, 47419..47610, 47433..47612, 47433..47612, 49400..49525		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19414	Strand	
Start	55171	End	55331
Name	OJ990920_11.0131.C10.o10.tm	Method	TBLASTX:Maize
Start	55171	End	55331
GI	none	Score	212
Exons	55171..55329, 55171..55323, 55172..55330, 55173..55331		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19415	Strand	
Start	55501	End	57152
Name	OJ990920_11.0131.C10.o6.tm	Method	TBLASTX:Maize
Start	55501	End	57152
GI	none	Score	81
Exons	55501..55587, 55759..56037, 55768..55932, 55770..56033, 56385..56462, 57042..57152		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19415	Strand	
Start	55501	End	57152
Name	OJ990920_11.0131.C10.o4.tc	Method	TBLASTX:Cress
Start	55759	End	56012
GI	none	Score	278
Exons	55759..56010, 55769..56008, 55770..56012		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19415	Strand	
Start	55501	End	57152
Name	OJ990920_11.0131.C10.o6.ts	Method	TBLASTX:Soybean

Start	55759	End	57152
GI	none	Score	286
Exons	55759..56061, 55770..56033, 56358..56462, 57042..57152, 57044..57148		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19415	Strand	
Start	55501	End	57152
Name	OJ990920_11.0131.C10.o3.tw	Method	TBLASTX:Wheat
Start	55798	End	57152
GI	none	Score	240
Exons	55798..56037, 55827..56033, 55876..56055, 56385..56462, 57042..57152, 57044..57148		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19416	Strand	
Start	60963	End	63724
Name	OJ990920_11.0131.C10.o8.tm	Method	TBLASTX:Maize
Start	60963	End	63346
GI	none	Score	35
Exons	60963..60989, 61044..61091, 61047..61094, 61174..61302, 61197..61301, 61426..61473, 63045..63140, 63053..63139, 63053..63154, 63054..63140, 63209..63346, 63210..63302, 63223..63345		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19416	Strand	
Start	60963	End	63724
Name	OJ990920_11.0131.C10.o2.tc	Method	TBLASTX:Cress
Start	61047	End	63706
GI	none	Score	67
Exons	61047..61088, 61047..61094, 61174..61302, 61206..61301, 63054..63143, 63059..63154, 63209..63280, 63210..63281, 63236..63418, 63273..63416, 63494..63706, 63496..63702		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19416	Strand	
Start	60963	End	63724
Name	OJ990920_11.0131.C10.o2.ts	Method	TBLASTX:Soybean
Start	61050	End	63706
GI	none	Score	63
Exons	61050..61088, 61050..61091, 61174..61311, 61194..61313, 61433..61471, 63054..63137, 63059..63154, 63212..63280, 63213..63281, 63272..63409, 63273..63416, 63482..63691, 63494..63706, 63496..63705		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19416	Strand	
Start	60963	End	63724
Name	OJ990920_11.0131.C10.o2.tw	Method	TBLASTX:Wheat
Start	61050	End	61471
GI	none	Score	58
Exons	61050..61091, 61174..61311, 61197..61310, 61433..61471		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19416	Strand	
Start	60963	End	63724

Name	OJ990920_11.0131.C10.o5.tm	Method	TBLASTX:Maize
Start	63348	End	63708
GI	none	Score	89
Exons	63348..63407, 63349..63405, 63494..63580, 63496..63561, 63506..63577, 63568..63705, 63569..63706, 63570..63707, 63571..63708		

Seq. No.	9062	Seq. ID	OJ990920_11.0131.C10
Gene No.	19416	Strand	
Start	60963	End	63724
Name	OJ990920_11.0131.C10.o5.tw	Method	TBLASTX:Wheat
Start	63521	End	63724
GI	none	Score	205
Exons	63521..63724, 63571..63708		

Seq. No.	9063	Seq. ID	OJ990520_06.0103.C1
Gene No.	19417	Strand	-
Start	856	End	1353
Name	OJ990520_06.0103.C1.o1.gs	Method	GENSCAN
Start	856	End	1353
GI	none	Score	.58
Exons	856..1061, 1300..1353		

Seq. No.	9064	Seq. ID	OJ990520_06.0103.C3
Gene No.	19418	Strand	+
Start	67	End	179
Name	OJ990520_06.0103.C3.o1.gs	Method	GENSCAN
Start	67	End	179
GI	none	Score	.52
Exons	67..179		

Seq. No.	9065	Seq. ID	OJ990520_06.0103.C5
Gene No.	19419	Strand	-
Start	305	End	430
Name	OJ990520_06.0103.C5.o1.gs	Method	GENSCAN
Start	305	End	430
GI	none	Score	.98
Exons	305..430		

Seq. No.	9066	Seq. ID	OJ990520_06.0103.C7
Gene No.	19420	Strand	-
Start	244	End	273
Name	OJ990520_06.0103.C7.o1.gs	Method	GENSCAN
Start	244	End	273
GI	none	Score	.54
Exons	244..273		

Seq. No.	9067	Seq. ID	OJ990520_06.0103.C10
Gene No.	19421	Strand	-
Start	64	End	166
Name	OJ990520_06.0103.C10.o1.gs	Method	GENSCAN
Start	64	End	166
GI	none	Score	.63
Exons	64..166		

Seq. No.	9068	Seq. ID	OJ990520_06.0103.C13
Gene No.	19422	Strand	+

Start	1	End	1638
Name	OJ990520_06.0103.C13.o2.np	Method	AAT/NAP
Start	1	End	604
GI	4680186	Score	323
Exons	1..80, 404..604		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9068	Seq. ID	OJ990520_06.0103.C13
Gene No.	19422	Strand	+
Start	1	End	1638
Name	OJ990520_06.0103.C13.o1.gs	Method	GENSCAN
Start	497	End	1638
GI	none	Score	.74
Exons	497..557, 1532..1638		

Seq. No.	9068	Seq. ID	OJ990520_06.0103.C13
Gene No.	19423	Strand	-
Start	156	End	537
Name	OJ990520_06.0103.C13.o1.gp	Method	AAT/GAP
Start	156	End	537
GI	uC-osflcyp033a04b1	Score	687
Exons	156..537		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9069	Seq. ID	OJ990520_06.0103.C15
Gene No.	19424	Strand	+
Start	1	End	620
Name	OJ990520_06.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	620
GI	6815052	Score	237
Exons	1..327, 565..620		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9069	Seq. ID	OJ990520_06.0103.C15
Gene No.	19424	Strand	+
Start	1	End	620
Name	OJ990520_06.0103.C15.o1.gs	Method	GENSCAN
Start	109	End	507
GI	none	Score	.55
Exons	109..507		

Seq. No.	9070	Seq. ID	OJ990520_06.0103.C17
Gene No.	19425	Strand	-
Start	91	End	1877
Name	OJ990520_06.0103.C17.o1.gs	Method	GENSCAN
Start	91	End	1727
GI	none	Score	.6
Exons	91..218, 594..1449, 1456..1727		

Seq. No.	9070	Seq. ID	OJ990520_06.0103.C17
Gene No.	19425	Strand	-
Start	91	End	1877
Name	OJ990520_06.0103.C17.o1.np	Method	AAT/NAP
Start	119	End	1877
GI	6907087	Score	905
Exons	119..219, 759..1475, 1506..1877		

GI Descrip. (AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	9071	Seq. ID	OJ990520_06.0103.C18
Gene No.	19426	Strand	+
Start	96	End	581
Name	OJ990520_06.0103.C18.o1.gs	Method	GENSCAN
Start	96	End	581
GI	none	Score	.51
Exons	96..303, 445..581		

Seq. No.	9072	Seq. ID	OJ990520_06.0103.C20
Gene No.	19427	Strand	+
Start	1	End	2113
Name	OJ990520_06.0103.C20.o1.gp	Method	AAT/GAP
Start	1	End	1904
GI	LIB3434-055-P1-K1-E8	Score	464
Exons	1..170, 1819..1904		
GI Descrip.	'2252863 6.0e-46 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	9072	Seq. ID	OJ990520_06.0103.C20
Gene No.	19427	Strand	+
Start	1	End	2113
Name	OJ990520_06.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	2105
GI	2252863	Score	193
Exons	1..153, 1793..1904, 1997..2105		
GI Descrip.	(AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	9072	Seq. ID	OJ990520_06.0103.C20
Gene No.	19427	Strand	+
Start	1	End	2113
Name	OJ990520_06.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	2	End	2113
GI	none	Score	148
Exons	2..73, 3..101, 13..114, 94..168, 109..174, 174..215, 1816..1905, 1818..1904, 1997..2077, 1998..2078, 1999..2079, 2075..2113, 2086..2112		

Seq. No.	9072	Seq. ID	OJ990520_06.0103.C20
Gene No.	19427	Strand	+
Start	1	End	2113
Name	OJ990520_06.0103.C20.o1.gs	Method	GENSCAN
Start	30	End	2108
GI	none	Score	.4
Exons	30..170, 1819..1904, 1997..2108		

Seq. No.	9073	Seq. ID	OJ990520_06.0103.C22
Gene No.	19428	Strand	-
Start	332	End	689
Name	OJ990520_06.0103.C22.o1.np	Method	AAT/NAP
Start	332	End	689
GI	3355308	Score	101
Exons	332..689		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	9074	Seq. ID	OJ990520_06.0103.C23
Gene No.	19429	Strand	+
Start	45	End	122
Name	OJ990520_06.0103.C23.o1.gs	Method	GENSCAN
Start	45	End	122
GI	none	Score	.54
Exons	45..122		

Seq. No.	9075	Seq. ID	OJ990520_06.0103.C24
Gene No.	19430	Strand	+
Start	1	End	5662
Name	OJ990520_06.0103.C24.o1.np	Method	AAT/NAP
Start	1	End	492
GI	3810596	Score	175
Exons	1..492		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9075	Seq. ID	OJ990520_06.0103.C24
Gene No.	19430	Strand	+
Start	1	End	5662
Name	OJ990520_06.0103.C24.o2.np	Method	AAT/NAP
Start	1	End	2769
GI	2252863	Score	161
Exons	1..60, 1851..2039, 2480..2769		
GI Descrip.	(AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	9075	Seq. ID	OJ990520_06.0103.C24
Gene No.	19430	Strand	+
Start	1	End	5662
Name	OJ990520_06.0103.C24.o3.np	Method	AAT/NAP
Start	1	End	5256
GI	4680183	Score	175
Exons	1..42, 4537..4607, 5167..5256		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9075	Seq. ID	OJ990520_06.0103.C24
Gene No.	19430	Strand	+
Start	1	End	5662
Name	OJ990520_06.0103.C24.o4.np	Method	AAT/NAP
Start	4517	End	5662
GI	6721559	Score	142
Exons	4517..4583, 5242..5662		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	9075	Seq. ID	OJ990520_06.0103.C24
Gene No.	19431	Strand	-
Start	2682	End	2776
Name	OJ990520_06.0103.C24.o2.tm	Method	TBLASTX:Maize
Start	192	End	539
GI	none	Score	86
Exons	192..494, 193..273, 349..495, 491..532, 492..539		

Seq. No.	9075	Seq. ID	OJ990520_06.0103.C24

Gene No.	19431	Strand	-
Start	2682	End	2776
Name	OJ990520_06.0103.C24.o1.tm	Method	TBLASTX:Maize
Start	1841	End	2776
GI	none	Score	156
Exons	1841..1996, 1848..2027, 1848..1979, 1850..1990, 1984..2028, 1985..2020, 2681..2770, 2683..2769, 2687..2776		

Seq. No.	9075	Seq. ID	OJ990520_06.0103.C24
Gene No.	19431	Strand	-
Start	2682	End	2776
Name	OJ990520_06.0103.C24.o2.gp	Method	AAT/GAP
Start	2682	End	2775
GI	LIB3434-055-P1-K1-E8	Score	144
Exons	2682..2775		
GI Descrip.	'2252863 6.0e-46 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	9076	Seq. ID	OJ990520_06.0103.C25
Gene No.	19432	Strand	-
Start	2034	End	3501
Name	OJ990520_06.0103.C25.o1.gs	Method	GENSCAN
Start	2034	End	3128
GI	none	Score	.82
Exons	2034..3128		

Seq. No.	9076	Seq. ID	OJ990520_06.0103.C25
Gene No.	19432	Strand	-
Start	2034	End	3501
Name	OJ990520_06.0103.C25.o1.np	Method	AAT/NAP
Start	2043	End	3501
GI	3549626	Score	479
Exons	2043..3060, 3466..3501		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	9076	Seq. ID	OJ990520_06.0103.C25
Gene No.	19432	Strand	-
Start	2034	End	3501
Name	OJ990520_06.0103.C25.o1.tm	Method	TBLASTX:Maize
Start	2187	End	3104
GI	none	Score	41
Exons	2187..2327, 2223..2363, 2427..2549, 2434..2535, 2550..2729, 2566..2640, 2757..3014, 2773..3000, 3072..3104		

Seq. No.	9076	Seq. ID	OJ990520_06.0103.C25
Gene No.	19432	Strand	-
Start	2034	End	3501
Name	OJ990520_06.0103.C25.o1.tc	Method	TBLASTX:Cress
Start	2202	End	3008
GI	none	Score	80
Exons	2202..2330, 2427..2552, 2434..2535, 2547..2732, 2548..2730, 2740..2997, 2754..3008		

Seq. No.	9076	Seq. ID	OJ990520_06.0103.C25
Gene No.	19432	Strand	-
Start	2034	End	3501
Name	OJ990520_06.0103.C25.o1.ts	Method	TBLASTX:Soybean

Start	2412	End	3119
GI	none	Score	80
Exons	2412..2543, 2413..2571, 2553..2747, 2754..2900, 2755..2901, 2920..2997, 2931..3014, 3066..3119		

Seq. No.	9076	Seq. ID	OJ990520_06.0103.C25
Gene No.	19432	Strand	-
Start	2034	End	3501
Name	OJ990520_06.0103.C25.o1.tw	Method	TBLASTX:Wheat
Start	2427	End	2808
GI	none	Score	60
Exons	2427..2534, 2434..2541, 2565..2720, 2572..2751, 2712..2807, 2740..2808		

Seq. No.	9077	Seq. ID	OJ990520_06.0103.C26
Gene No.	19433	Strand	+
Start	2149	End	2211
Name	OJ990520_06.0103.C26.o1.gp	Method	AAT/GAP
Start	2149	End	2211
GI	5455354	Score	79
Exons	2149..2211		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	9077	Seq. ID	OJ990520_06.0103.C26
Gene No.	19434	Strand	-
Start	1344	End	4894
Name	OJ990520_06.0103.C26.o1.np	Method	AAT/NAP
Start	1344	End	4894
GI	2833647	Score	54
Exons	1344..1562, 1849..1990, 4838..4894		
GI Descrip.	(AF027972) flagelliform silk protein [Nephila clavipes]		

Seq. No.	9077	Seq. ID	OJ990520_06.0103.C26
Gene No.	19434	Strand	-
Start	1344	End	4894
Name	OJ990520_06.0103.C26.o2.gs	Method	GENSCAN
Start	3240	End	4382
GI	none	Score	.9
Exons	3240..3268, 4204..4382		

Seq. No.	9078	Seq. ID	OJ990520_06.0103.C27
Gene No.	19435	Strand	+
Start	1	End	12806
Name	OJ990520_06.0103.C27.o3.np	Method	AAT/NAP
Start	1	End	12806
GI	4680183	Score	171
Exons	1..44, 12021..12113, 12717..12806		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9078	Seq. ID	OJ990520_06.0103.C27
Gene No.	19435	Strand	+
Start	1	End	12806
Name	OJ990520_06.0103.C27.o3.gs	Method	GENSCAN
Start	5102	End	8814
GI	none	Score	.46
Exons	5102..5169, 6413..6466, 6664..6697, 8350..8536, 8678..8814		

Seq. No.	9078	Seq. ID	OJ990520_06.0103.C27
Gene No.	19435	Strand	+
Start	1	End	12806
Name	OJ990520_06.0103.C27.o4.gs	Method	GENSCAN
Start	10216	End	12126
GI	none	Score	.86
Exons	10216..10966, 11026..11162, 11311..12126		

Seq. No.	9078	Seq. ID	OJ990520_06.0103.C27
Gene No.	19436	Strand	-
Start	1	End	1658
Name	OJ990520_06.0103.C27.o1.np	Method	AAT/NAP
Start	1	End	1658
GI	5803260	Score	246
Exons	1..105, 682..806, 840..1658		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	9078	Seq. ID	OJ990520_06.0103.C27
Gene No.	19437	Strand	-
Start	12381	End	12684
Name	OJ990520_06.0103.C27.o5.gs	Method	GENSCAN
Start	12381	End	12684
GI	none	Score	.78
Exons	12381..12560, 12580..12684		

Seq. No.	9079	Seq. ID	OJ990520_06.0103.C28
Gene No.	19438	Strand	+
Start	277	End	317
Name	OJ990520_06.0103.C28.o1.gs	Method	GENSCAN
Start	277	End	317
GI	none	Score	.65
Exons	277..317		

Seq. No.	9080	Seq. ID	OJ990520_06.0103.C29
Gene No.	19439	Strand	+
Start	967	End	1534
Name	OJ990520_06.0103.C29.o1.np	Method	AAT/NAP
Start	967	End	1534
GI	6721559	Score	184
Exons	967..1534		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	9081	Seq. ID	OJ990520_06.0103.C31
Gene No.	19440	Strand	+
Start	1	End	66
Name	OJ990520_06.0103.C31.o1.np	Method	AAT/NAP
Start	1	End	66
GI	4680183	Score	108
Exons	1..66		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9082	Seq. ID	OJ990520_06.0103.C32
Gene No.	19441	Strand	+
Start	1	End	596

Name	OJ990520_06.0103.C32.o1.np	Method	AAT/NAP
Start	1	End	596
GI	6721512	Score	61
Exons	1..196, 549..596		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9082	Seq. ID	OJ990520_06.0103.C32
Gene No.	19442	Strand	-
Start	2	End	542
Name	OJ990520_06.0103.C32.o1.gs	Method	GENSCAN
Start	2	End	542
GI	none	Score	.92
Exons	2..133, 417..542		

Seq. No.	9083	Seq. ID	OJ990520_06.0103.C33
Gene No.	19443	Strand	+
Start	615	End	899
Name	OJ990520_06.0103.C33.o1.np	Method	AAT/NAP
Start	615	End	899
GI	6539588	Score	303
Exons	615..899		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9084	Seq. ID	OJ990520_06.0103.C34
Gene No.	19444	Strand	+
Start	385	End	466
Name	OJ990520_06.0103.C34.o1.gs	Method	GENSCAN
Start	385	End	466
GI	none	Score	.72
Exons	385..466		

Seq. No.	9084	Seq. ID	OJ990520_06.0103.C34
Gene No.	19445	Strand	-
Start	197	End	372
Name	OJ990520_06.0103.C34.o1.np	Method	AAT/NAP
Start	197	End	372
GI	6063554	Score	230
Exons	197..372		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9085	Seq. ID	OJ990520_06.0103.C37
Gene No.	19446	Strand	+
Start	3834	End	3917
Name	OJ990520_06.0103.C37.o1.np	Method	AAT/NAP
Start	3834	End	3917
GI	5852084	Score	71
Exons	3834..3917		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	9085	Seq. ID	OJ990520_06.0103.C37
Gene No.	19447	Strand	-
Start	4786	End	6091
Name	OJ990520_06.0103.C37.o2.np	Method	AAT/NAP
Start	4786	End	6091
GI	6815099	Score	74

Exons	4786..4906, 6068..6091		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	9086	Seq. ID	OJ990520_06.0103.C38
Gene No.	19448	Strand	+
Start	600	End	1983
Name	OJ990520_06.0103.C38.o2.np	Method	AAT/NAP
Start	600	End	1983
GI	3549626	Score	182
Exons	600..851, 879..1524, 1915..1983		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		
Seq. No.	9086	Seq. ID	OJ990520_06.0103.C38
Gene No.	19448	Strand	+
Start	600	End	1983
Name	OJ990520_06.0103.C38.o1.gs	Method	GENSCAN
Start	612	End	1674
GI	none	Score	.95
Exons	612..1524, 1664..1674		
Seq. No.	9087	Seq. ID	OJ990520_06.0103.C40
Gene No.	19449	Strand	-
Start	104	End	727
Name	OJ990520_06.0103.C40.o1.gs	Method	GENSCAN
Start	104	End	727
GI	none	Score	.68
Exons	104..370, 426..727		
Seq. No.	9088	Seq. ID	OJ990520_06.0103.C42
Gene No.	19450	Strand	+
Start	1	End	187
Name	OJ990520_06.0103.C42.o1.np	Method	AAT/NAP
Start	1	End	187
GI	629693	Score	88
Exons	1..187		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	9088	Seq. ID	OJ990520_06.0103.C42
Gene No.	19451	Strand	+
Start	154	End	257
Name	OJ990520_06.0103.C42.o1.gs	Method	GENSCAN
Start	154	End	257
GI	none	Score	.41
Exons	154..257		
Seq. No.	9089	Seq. ID	OJ990520_06.0103.C43
Gene No.	19452	Strand	+
Start	1	End	1233
Name	OJ990520_06.0103.C43.o1.np	Method	AAT/NAP
Start	1	End	1233
GI	6539588	Score	236
Exons	1..256, 1192..1233		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	9090	Seq. ID	OJ990520_06.0103.C44
Gene No.	19453	Strand	-

Start	147	End	249
Name	OJ990520_06.0103.C44.o1.gs	Method	GENSCAN
Start	147	End	249
GI	none	Score	.42
Exons	147..249		

Seq. No.	9091	Seq. ID	OJ990520_06.0103.C45
Gene No.	19454	Strand	-
Start	185	End	777
Name	OJ990520_06.0103.C45.o1.gs	Method	GENSCAN
Start	185	End	777
GI	none	Score	.61
Exons	185..248, 737..777		

Seq. No.	9092	Seq. ID	OJ990520_06.0103.C46
Gene No.	19455	Strand	-
Start	356	End	682
Name	OJ990520_06.0103.C46.o1.gs	Method	GENSCAN
Start	356	End	682
GI	none	Score	.93
Exons	356..682		

Seq. No.	9093	Seq. ID	OJ990520_06.0103.C47
Gene No.	19456	Strand	-
Start	1	End	644
Name	OJ990520_06.0103.C47.o1.np	Method	AAT/NAP
Start	1	End	627
GI	6721512	Score	59
Exons	1..51, 510..627		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9093	Seq. ID	OJ990520_06.0103.C47
Gene No.	19456	Strand	-
Start	1	End	644
Name	OJ990520_06.0103.C47.o1.gs	Method	GENSCAN
Start	140	End	644
GI	none	Score	.88
Exons	140..283, 388..472, 591..644		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19457	Strand	+
Start	708	End	2604
Name	OJ990520_06.0103.C48.o1.gs	Method	GENSCAN
Start	708	End	2604
GI	none	Score	.78
Exons	708..745, 1911..2041, 2588..2604		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19458	Strand	+
Start	6361	End	6504
Name	OJ990520_06.0103.C48.o1.gp	Method	AAT/GAP
Start	6361	End	6504
GI	LIB3433-024-P1-K1-F8	Score	225
Exons	6361..6504		
GI Descrip.	'2062705/gb|U90552|HSU90552 2.0e-11 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19459	Strand	-
Start	2719	End	5710
Name	OJ990520_06.0103.C48.o1.np	Method	AAT/NAP
Start	2692	End	5363
GI	6466937	Score	1232
Exons	2692..4696, 4736..5363		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19459	Strand	-
Start	2719	End	5710
Name	OJ990520_06.0103.C48.o2.np	Method	AAT/NAP
Start	2699	End	5363
GI	6466937	Score	1227
Exons	2699..4696, 4736..5363		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19459	Strand	-
Start	2719	End	5710
Name	OJ990520_06.0103.C48.o2.gs	Method	GENSCAN
Start	2719	End	5710
GI	none	Score	.78
Exons	2719..2856, 2930..3114, 3168..4101, 4144..4590, 4607..5158, 5246..5710		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o1.tm	Method	TBLASTX:Maize
Start	2960	End	3378
GI	none	Score	127
Exons	2960..3214, 3057..3215, 3223..3378, 3290..3367		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o2.tw	Method	TBLASTX:Wheat
Start	3059	End	3456
GI	none	Score	36
Exons	3059..3175, 3062..3175, 3223..3456, 3287..3400		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o1.ts	Method	TBLASTX:Soybean
Start	3226	End	3495
GI	none	Score	258
Exons	3226..3495		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o2.tm	Method	TBLASTX:Maize

Start	3451	End	3930
GI	none	Score	155
Exons	3451..3930, 3482..3895		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o1.tw	Method	TBLASTX:Wheat
Start	3547	End	3987
GI	none	Score	129
Exons	3547..3987, 3566..3919		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o2.ts	Method	TBLASTX:Soybean
Start	3637	End	3951
GI	none	Score	208
Exons	3637..3951		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o4.tm	Method	TBLASTX:Maize
Start	5120	End	5348
GI	none	Score	85
Exons	5120..5347, 5121..5348		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o3.tm	Method	TBLASTX:Maize
Start	6336	End	6810
GI	none	Score	58
Exons	6336..6455, 6383..6451, 6513..6551, 6548..6628, 6549..6629, 6720..6809, 6721..6810, 6722..6808		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o3.np	Method	AAT/NAP
Start	6521	End	6837
GI	2252863	Score	125
Exons	6521..6629, 6722..6837		
GI Descrip.	(AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	9094	Seq. ID	OJ990520_06.0103.C48
Gene No.	19460	Strand	-
Start	6521	End	6837
Name	OJ990520_06.0103.C48.o2.gp	Method	AAT/GAP
Start	6706	End	6810
GI	LIB3434-055-P1-K1-E8	Score	149
Exons	6706..6810		
GI Descrip.	'2252863 6.0e-46 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	9095	Seq. ID	OJ990520_06.0103.C49

Gene No.	19461	Strand	+
Start	154	End	367
Name	OJ990520_06.0103.C49.o1.gp	Method	AAT/GAP
Start	154	End	367
GI	LIB3434-055-P1-K1-E8	Score	368
Exons	154..367		
GI Descrip.	'2252863 6.0e-46 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	9095	Seq. ID	OJ990520_06.0103.C49
Gene No.	19462	Strand	-
Start	1	End	1439
Name	OJ990520_06.0103.C49.o1.np	Method	AAT/NAP
Start	1	End	1439
GI	2252863	Score	466
Exons	1..23, 156..365, 1048..1233, 1315..1439		
GI Descrip.	(AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	9095	Seq. ID	OJ990520_06.0103.C49
Gene No.	19462	Strand	-
Start	1	End	1439
Name	OJ990520_06.0103.C49.o1.ts	Method	TBLASTX:Soybean
Start	135	End	1195
GI	none	Score	192
Exons	135..368, 160..372, 1033..1194, 1091..1195		

Seq. No.	9095	Seq. ID	OJ990520_06.0103.C49
Gene No.	19462	Strand	-
Start	1	End	1439
Name	OJ990520_06.0103.C49.o2.tm	Method	TBLASTX:Maize
Start	135	End	375
GI	none	Score	280
Exons	135..368, 154..366, 160..375		

Seq. No.	9095	Seq. ID	OJ990520_06.0103.C49
Gene No.	19462	Strand	-
Start	1	End	1439
Name	OJ990520_06.0103.C49.o1.gs	Method	GENSCAN
Start	161	End	1233
GI	none	Score	.98
Exons	161..365, 1048..1233		

Seq. No.	9095	Seq. ID	OJ990520_06.0103.C49
Gene No.	19462	Strand	-
Start	1	End	1439
Name	OJ990520_06.0103.C49.o1.tc	Method	TBLASTX:Cress
Start	1044	End	1437
GI	none	Score	126
Exons	1044..1190, 1087..1215, 1094..1249, 1315..1437, 1337..1426		

Seq. No.	9095	Seq. ID	OJ990520_06.0103.C49
Gene No.	19462	Strand	-
Start	1	End	1439
Name	OJ990520_06.0103.C49.o1.tm	Method	TBLASTX:Maize
Start	1099	End	1439
GI	none	Score	200
Exons	1099..1227, 1100..1228, 1313..1438, 1314..1439, 1315..1437		

Seq. No.	9096	Seq. ID	OJ990520_06.0103.C50
Gene No.	19463	Strand	+
Start	347	End	555
Name	OJ990520_06.0103.C50.o1.gs	Method	GENSCAN
Start	347	End	555
GI	none	Score	.98
Exons	347..555		

Seq. No.	9097	Seq. ID	OJ990520_06.0103.C53
Gene No.	19464	Strand	-
Start	1	End	755
Name	OJ990520_06.0103.C53.o1.np	Method	AAT/NAP
Start	1	End	755
GI	6466937	Score	538
Exons	1..755		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9097	Seq. ID	OJ990520_06.0103.C53
Gene No.	19464	Strand	-
Start	1	End	755
Name	OJ990520_06.0103.C53.o1.tw	Method	TBLASTX:Wheat
Start	65	End	568
GI	none	Score	267
Exons	65..568		

Seq. No.	9097	Seq. ID	OJ990520_06.0103.C53
Gene No.	19464	Strand	-
Start	1	End	755
Name	OJ990520_06.0103.C53.o1.gs	Method	GENSCAN
Start	71	End	709
GI	none	Score	.74
Exons	71..544, 573..709		

Seq. No.	9097	Seq. ID	OJ990520_06.0103.C53
Gene No.	19464	Strand	-
Start	1	End	755
Name	OJ990520_06.0103.C53.o1.tm	Method	TBLASTX:Maize
Start	251	End	739
GI	none	Score	113
Exons	251..568, 294..569, 576..695, 579..644, 586..720, 587..739		

Seq. No.	9098	Seq. ID	OJ990520_06.0103.C56
Gene No.	19465	Strand	+
Start	65	End	331
Name	OJ990520_06.0103.C56.o1.gs	Method	GENSCAN
Start	65	End	331
GI	none	Score	.93
Exons	65..331		

Seq. No.	9098	Seq. ID	OJ990520_06.0103.C56
Gene No.	19466	Strand	-
Start	1	End	870
Name	OJ990520_06.0103.C56.o1.np	Method	AAT/NAP
Start	1	End	870
GI	4206306	Score	499

Exons	1..870		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	9098	Seq. ID	OJ990520_06.0103.C56
Gene No.	19466	Strand	-
Start	1	End	870
Name	OJ990520_06.0103.C56.o1.tw	Method	TBLASTX:Wheat
Start	399	End	614
GI	none	Score	52
Exons	399..614, 412..537		
Seq. No.	9098	Seq. ID	OJ990520_06.0103.C56
Gene No.	19466	Strand	-
Start	1	End	870
Name	OJ990520_06.0103.C56.o2.gs	Method	GENSCAN
Start	453	End	782
GI	none	Score	.97
Exons	453..664, 701..782		
Seq. No.	9099	Seq. ID	OJ990520_06.0103.C57
Gene No.	19467	Strand	+
Start	1	End	511
Name	OJ990520_06.0103.C57.o1.np	Method	AAT/NAP
Start	1	End	508
GI	4680179	Score	679
Exons	1..508		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9099	Seq. ID	OJ990520_06.0103.C57
Gene No.	19467	Strand	+
Start	1	End	511
Name	OJ990520_06.0103.C57.o1.tw	Method	TBLASTX:Wheat
Start	41	End	463
GI	none	Score	387
Exons	41..463, 61..399, 74..442		
Seq. No.	9099	Seq. ID	OJ990520_06.0103.C57
Gene No.	19467	Strand	+
Start	1	End	511
Name	OJ990520_06.0103.C57.o1.gs	Method	GENSCAN
Start	98	End	511
GI	none	Score	.85
Exons	98..511		
Seq. No.	9099	Seq. ID	OJ990520_06.0103.C57
Gene No.	19467	Strand	+
Start	1	End	511
Name	OJ990520_06.0103.C57.o1.tm	Method	TBLASTX:Maize
Start	106	End	367
GI	none	Score	294
Exons	106..366, 107..367		
Seq. No.	9100	Seq. ID	OJ990520_06.0103.C58
Gene No.	19468	Strand	+
Start	1	End	1164
Name	OJ990520_06.0103.C58.o1.np	Method	AAT/NAP
Start	1	End	1164

GI	2252863	Score	61
Exons	1..73, 506..591, 1103..1164		
GI Descrip.	(AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	9100	Seq. ID	OJ990520_06.0103.C58
Gene No.	19469	Strand	-
Start	507	End	709
Name	OJ990520_06.0103.C58.o1.gp	Method	AAT/GAP
Start	504	End	597
GI	LIB3434-055-P1-K1-E8	Score	141
Exons	504..597		
GI Descrip.	'2252863 6.0e-46 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	9100	Seq. ID	OJ990520_06.0103.C58
Gene No.	19469	Strand	-
Start	507	End	709
Name	OJ990520_06.0103.C58.o1.gs	Method	GENSCAN
Start	507	End	709
GI	none	Score	.54
Exons	507..611, 635..709		

Seq. No.	9101	Seq. ID	OJ990520_06.0103.C60
Gene No.	19470	Strand	+
Start	475	End	771
Name	OJ990520_06.0103.C60.o1.gs	Method	GENSCAN
Start	475	End	771
GI	none	Score	.47
Exons	475..771		

Seq. No.	9102	Seq. ID	OJ990520_06.0103.C63
Gene No.	19471	Strand	+
Start	1	End	538
Name	OJ990520_06.0103.C63.o1.np	Method	AAT/NAP
Start	1	End	538
GI	4680186	Score	120
Exons	1..92, 295..538		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9103	Seq. ID	OJ990520_06.0103.C65
Gene No.	19472	Strand	+
Start	1	End	3981
Name	OJ990520_06.0103.C65.o1.np	Method	AAT/NAP
Start	1	End	3981
GI	5091513	Score	709
Exons	1..278, 1021..1527, 3149..3783, 3957..3981		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	9103	Seq. ID	OJ990520_06.0103.C65
Gene No.	19472	Strand	+
Start	1	End	3981
Name	OJ990520_06.0103.C65.o2.gs	Method	GENSCAN
Start	3557	End	3787
GI	none	Score	.71
Exons	3557..3787		

Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66

Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o1.np	Method	AAT/NAP
Start	1	End	3835
GI	6630685	Score	1598
Exons	1..618, 1057..1265, 1296..2756, 3812..3835		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o2.tm	Method	TBLASTX:Maize
Start	89	End	616
GI	none	Score	134
Exons	89..274, 127..273, 316..612, 335..616		

Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o1.gs	Method	GENSCAN
Start	92	End	3809
GI	none	Score	.69
Exons	92..404, 1008..1636, 2260..2356, 3706..3809		

Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o2.tw	Method	TBLASTX:Wheat
Start	233	End	520
GI	none	Score	244
Exons	233..520, 341..511, 346..519		

Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o3.ts	Method	TBLASTX:Soybean
Start	362	End	1261
GI	none	Score	199
Exons	362..610, 379..552, 1058..1111, 1124..1261		

Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o2.np	Method	AAT/NAP
Start	404	End	3835
GI	81286	Score	137
Exons	404..440, 2948..3186, 3350..3835		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o1.ts	Method	TBLASTX:Soybean
Start	1577	End	2186
GI	5509260	Score	40

Exons	1577..1627, 1577..1627, 1649..1699, 1686..2186, 1699..2181		
GI Descrip.	-		
Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o1.tw	Method	TBLASTX:Wheat
Start	1701	End	2178
GI	none	Score	83
Exons	1701..1814, 1702..1791, 1825..2172, 1833..1970, 1992..2162, 1999..2178		
Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o1.tc	Method	TBLASTX:Cress
Start	1807	End	2067
GI	none	Score	216
Exons	1807..2067		
Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o1.tm	Method	TBLASTX:Maize
Start	1848	End	2287
GI	none	Score	488
Exons	1848..2222, 1849..2286, 1996..2226, 2234..2287		
Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o2.ts	Method	TBLASTX:Soybean
Start	2329	End	2697
GI	none	Score	308
Exons	2329..2697, 2338..2619		
Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o3.tm	Method	TBLASTX:Maize
Start	2355	End	2697
GI	none	Score	381
Exons	2355..2492, 2356..2697, 2368..2643, 2547..2696		
Seq. No.	9104	Seq. ID	OJ990520_06.0103.C66
Gene No.	19473	Strand	+
Start	1	End	3835
Name	OJ990520_06.0103.C66.o3.tw	Method	TBLASTX:Wheat
Start	2356	End	2697
GI	none	Score	92
Exons	2356..2499, 2536..2697		
Seq. No.	9105	Seq. ID	OJ990520_06.0103.C67
Gene No.	19474	Strand	+
Start	553	End	859
Name	OJ990520_06.0103.C67.o1.gp	Method	AAT/GAP
Start	553	End	859

GI	uC-osf1cyp033a04b1	Score	506
Exons	553..859		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9105	Seq. ID	OJ990520_06.0103.C67
Gene No.	19475	Strand	-
Start	486	End	1590
Name	OJ990520_06.0103.C67.o1.np	Method	AAT/NAP
Start	486	End	1590
GI	4680186	Score	325
Exons	486..686, 1513..1590		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9106	Seq. ID	OJ990520_06.0103.C68
Gene No.	19476	Strand	+
Start	1	End	1050
Name	OJ990520_06.0103.C68.o2.np	Method	AAT/NAP
Start	1	End	1050
GI	6498441	Score	108
Exons	1..36, 806..1050		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9106	Seq. ID	OJ990520_06.0103.C68
Gene No.	19476	Strand	+
Start	1	End	1050
Name	OJ990520_06.0103.C68.o1.gs	Method	GENSCAN
Start	56	End	1036
GI	none	Score	.84
Exons	56..479, 595..1036		

Seq. No.	9106	Seq. ID	OJ990520_06.0103.C68
Gene No.	19476	Strand	+
Start	1	End	1050
Name	OJ990520_06.0103.C68.o1.ts	Method	TBLASTX:Soybean
Start	97	End	435
GI	none	Score	189
Exons	97..435		

Seq. No.	9107	Seq. ID	OJ990520_06.0103.C69
Gene No.	19477	Strand	+
Start	239	End	646
Name	OJ990520_06.0103.C69.o1.ts	Method	TBLASTX:Soybean
Start	2	End	349
GI	none	Score	77
Exons	2..91, 3..77, 98..181, 99..182, 110..193, 179..349		

Seq. No.	9107	Seq. ID	OJ990520_06.0103.C69
Gene No.	19477	Strand	+
Start	239	End	646
Name	OJ990520_06.0103.C69.o1.gs	Method	GENSCAN
Start	239	End	646
GI	none	Score	.5
Exons	239..646		

Seq. No.	9108	Seq. ID	OJ990520_06.0103.C70
Gene No.	19478	Strand	-
Start	1	End	681
Name	OJ990520_06.0103.C70.o1.np	Method	AAT/NAP
Start	1	End	591
GI	6721561	Score	81
Exons	1..159, 559..591		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9108	Seq. ID	OJ990520_06.0103.C70
Gene No.	19478	Strand	-
Start	1	End	681
Name	OJ990520_06.0103.C70.o1.gs	Method	GENSCAN
Start	24	End	681
GI	none	Score	.66
Exons	24..78, 190..314, 482..681		

Seq. No.	9108	Seq. ID	OJ990520_06.0103.C70
Gene No.	19478	Strand	-
Start	1	End	681
Name	OJ990520_06.0103.C70.o2.np	Method	AAT/NAP
Start	190	End	578
GI	6721558	Score	93
Exons	190..312, 476..578		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	9109	Seq. ID	OJ990520_06.0103.C71
Gene No.	19479	Strand	-
Start	390	End	653
Name	OJ990520_06.0103.C71.o1.gp	Method	AAT/GAP
Start	390	End	653
GI	61605_3.R1084	Score	433
Exons	390..653		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	9110	Seq. ID	OJ990520_06.0103.C73
Gene No.	19480	Strand	+
Start	63	End	1474
Name	OJ990520_06.0103.C73.o1.gp	Method	AAT/GAP
Start	63	End	438
GI	uC-osflcyp033a04b1	Score	675
Exons	63..438		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9110	Seq. ID	OJ990520_06.0103.C73
Gene No.	19480	Strand	+
Start	63	End	1474
Name	OJ990520_06.0103.C73.o1.gs	Method	GENSCAN
Start	160	End	1474

GI	none	Score	.45
Exons	160..225, 345..390, 1407..1474		

Seq. No.	9110	Seq. ID	OJ990520_06.0103.C73
Gene No.	19481	Strand	-
Start	1	End	1478
Name	OJ990520_06.0103.C73.o1.np	Method	AAT/NAP
Start	1	End	1478
GI	4680186	Score	230
Exons	1..189, 1029..1080, 1431..1478		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9111	Seq. ID	OJ990520_06.0103.C74
Gene No.	19482	Strand	+
Start	1	End	851
Name	OJ990520_06.0103.C74.o1.np	Method	AAT/NAP
Start	1	End	851
GI	6705984	Score	343
Exons	1..575, 811..851		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	9111	Seq. ID	OJ990520_06.0103.C74
Gene No.	19482	Strand	+
Start	1	End	851
Name	OJ990520_06.0103.C74.o1.tw	Method	TBLASTX:Wheat
Start	91	End	555
GI	none	Score	70
Exons	91..189, 173..361, 193..336, 203..349, 368..487, 379..555		

Seq. No.	9111	Seq. ID	OJ990520_06.0103.C74
Gene No.	19482	Strand	+
Start	1	End	851
Name	OJ990520_06.0103.C74.o1.ts	Method	TBLASTX:Soybean
Start	149	End	508
GI	none	Score	142
Exons	149..370, 196..357, 392..508		

Seq. No.	9112	Seq. ID	OJ990520_06.0103.C76
Gene No.	19483	Strand	+
Start	271	End	756
Name	OJ990520_06.0103.C76.o1.gs	Method	GENSCAN
Start	271	End	756
GI	none	Score	.62
Exons	271..343, 671..756		

Seq. No.	9112	Seq. ID	OJ990520_06.0103.C76
Gene No.	19484	Strand	+
Start	1364	End	3262
Name	OJ990520_06.0103.C76.o2.gp	Method	AAT/GAP
Start	1185	End	1567
GI	uC-osflcyp033a04b1	Score	660
Exons	1185..1567		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9112	Seq. ID	OJ990520_06.0103.C76
Gene No.	19484	Strand	+

Start	1364	End	3262
Name	OJ990520_06.0103.C76.o2.gs	Method	GENSCAN
Start	1364	End	3262
GI	none	Score	.9
Exons	1364..1435, 2453..3262		

Seq. No.	9112	Seq. ID	OJ990520_06.0103.C76
Gene No.	19485	Strand	+
Start	3511	End	4518
Name	OJ990520_06.0103.C76.o3.np	Method	AAT/NAP
Start	3508	End	4518
GI	5042447	Score	154
Exons	3508..3896, 4485..4518		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9112	Seq. ID	OJ990520_06.0103.C76
Gene No.	19485	Strand	+
Start	3511	End	4518
Name	OJ990520_06.0103.C76.o3.gs	Method	GENSCAN
Start	3511	End	3912
GI	none	Score	.82
Exons	3511..3912		

Seq. No.	9112	Seq. ID	OJ990520_06.0103.C76
Gene No.	19486	Strand	-
Start	1118	End	4518
Name	OJ990520_06.0103.C76.o1.np	Method	AAT/NAP
Start	1118	End	4518
GI	4680186	Score	367
Exons	1118..1319, 2157..2213, 4461..4518		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9113	Seq. ID	OJ990520_06.0103.C77
Gene No.	19487	Strand	+
Start	1	End	959
Name	OJ990520_06.0103.C77.o1.np	Method	AAT/NAP
Start	1	End	959
GI	6063554	Score	126
Exons	1..25, 787..959		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9113	Seq. ID	OJ990520_06.0103.C77
Gene No.	19487	Strand	+
Start	1	End	959
Name	OJ990520_06.0103.C77.o1.gs	Method	GENSCAN
Start	143	End	259
GI	none	Score	.54
Exons	143..259		

Seq. No.	9113	Seq. ID	OJ990520_06.0103.C77
Gene No.	19488	Strand	-
Start	142	End	208
Name	OJ990520_06.0103.C77.o1.gp	Method	AAT/GAP
Start	142	End	208
GI	uC-osroM202024h08a1	Score	85

Exons	142..208		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	9114	Seq. ID	OJ990520_06.0103.C78
Gene No.	19489	Strand	+
Start	1302	End	3020
Name	OJ990520_06.0103.C78.o1.gs	Method	GENSCAN
Start	1302	End	3020
GI	none	Score	.61
Exons	1302..1377, 1434..1685, 2654..2682, 2858..3020		
Seq. No.	9114	Seq. ID	OJ990520_06.0103.C78
Gene No.	19490	Strand	-
Start	3552	End	6224
Name	OJ990520_06.0103.C78.o1.np	Method	AAT/NAP
Start	3552	End	6224
GI	3355308	Score	472
Exons	3552..3646, 4699..5702, 6143..6224		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		
Seq. No.	9114	Seq. ID	OJ990520_06.0103.C78
Gene No.	19490	Strand	-
Start	3552	End	6224
Name	OJ990520_06.0103.C78.o2.gs	Method	GENSCAN
Start	4689	End	5630
GI	none	Score	.66
Exons	4689..5630		
Seq. No.	9114	Seq. ID	OJ990520_06.0103.C78
Gene No.	19490	Strand	-
Start	3552	End	6224
Name	OJ990520_06.0103.C78.o1.tm	Method	TBLASTX:Maize
Start	4698	End	5606
GI	none	Score	90
Exons	4698..4835, 4938..5057, 4942..5043, 5058..5222, 5074..5148, 5244..5516, 5275..5499, 5481..5555, 5554..5604, 5574..5606		
Seq. No.	9114	Seq. ID	OJ990520_06.0103.C78
Gene No.	19490	Strand	-
Start	3552	End	6224
Name	OJ990520_06.0103.C78.o1.tc	Method	TBLASTX:Cress
Start	4710	End	5510
GI	none	Score	78
Exons	4710..4838, 4938..5060, 4942..5043, 5055..5225, 5248..5502, 5256..5510		
Seq. No.	9114	Seq. ID	OJ990520_06.0103.C78
Gene No.	19490	Strand	-
Start	3552	End	6224
Name	OJ990520_06.0103.C78.o1.ts	Method	TBLASTX:Soybean
Start	4920	End	5655
GI	none	Score	63
Exons	4920..5051, 4942..5079, 5061..5249, 5256..5402, 5257..5403, 5433..5516, 5439..5501, 5560..5655, 5568..5621		
Seq. No.	9114	Seq. ID	OJ990520_06.0103.C78

Gene No.	19490	Strand	-
Start	3552	End	6224
Name	OJ990520_06.0103.C78.o1.tw	Method	TBLASTX:Wheat
Start	5085	End	5504
GI	none	Score	60
Exons	5085..5450, 5448..5504		

Seq. No.	9115	Seq. ID	OJ990520_06.0103.C79
Gene No.	19491	Strand	+
Start	5587	End	6676
Name	OJ990520_06.0103.C79.o1.np	Method	AAT/NAP
Start	5411	End	6676
GI	6523547	Score	323
Exons	5411..6676		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	9115	Seq. ID	OJ990520_06.0103.C79
Gene No.	19491	Strand	+
Start	5587	End	6676
Name	OJ990520_06.0103.C79.o2.gs	Method	GENSCAN
Start	5587	End	6609
GI	none	Score	.96
Exons	5587..5667, 5995..6288, 6382..6609		

Seq. No.	9115	Seq. ID	OJ990520_06.0103.C79
Gene No.	19492	Strand	+
Start	8480	End	8855
Name	OJ990520_06.0103.C79.o3.gs	Method	GENSCAN
Start	8480	End	8855
GI	none	Score	.8
Exons	8480..8665, 8811..8855		

Seq. No.	9115	Seq. ID	OJ990520_06.0103.C79
Gene No.	19493	Strand	-
Start	780	End	3966
Name	OJ990520_06.0103.C79.o1.gs	Method	GENSCAN
Start	780	End	3966
GI	none	Score	.94
Exons	780..953, 3048..3966		

Seq. No.	9115	Seq. ID	OJ990520_06.0103.C79
Gene No.	19494	Strand	-
Start	5879	End	8530
Name	OJ990520_06.0103.C79.o2.np	Method	AAT/NAP
Start	5879	End	8530
GI	6539553	Score	150
Exons	5879..5902, 8390..8530		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	9115	Seq. ID	OJ990520_06.0103.C79
Gene No.	19495	Strand	-
Start	9129	End	9703
Name	OJ990520_06.0103.C79.o4.gs	Method	GENSCAN

Start	9129	End	9703
GI	none	Score	.75
Exons	9129..9228, 9573..9703		

Seq. No.	9116	Seq. ID	OJ990520_06.0103.C80
Gene No.	19496	Strand	+
Start	1	End	1574
Name	OJ990520_06.0103.C80.o1.np	Method	AAT/NAP
Start	1	End	1574
GI	4206306	Score	415
Exons	1..1038, 1528..1574		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	9116	Seq. ID	OJ990520_06.0103.C80
Gene No.	19497	Strand	-
Start	67	End	917
Name	OJ990520_06.0103.C80.o1.gs	Method	GENSCAN
Start	67	End	917
GI	none	Score	.51
Exons	67..465, 828..917		

Seq. No.	9117	Seq. ID	OJ990520_06.0103.C81
Gene No.	19498	Strand	+
Start	123	End	1920
Name	OJ990520_06.0103.C81.o1.gs	Method	GENSCAN
Start	123	End	1920
GI	none	Score	.75
Exons	123..186, 796..825, 1844..1920		

Seq. No.	9117	Seq. ID	OJ990520_06.0103.C81
Gene No.	19499	Strand	-
Start	2810	End	5888
Name	OJ990520_06.0103.C81.o2.gs	Method	GENSCAN
Start	2810	End	4775
GI	none	Score	.61
Exons	2810..2961, 4271..4414, 4519..4603, 4722..4775		

Seq. No.	9117	Seq. ID	OJ990520_06.0103.C81
Gene No.	19499	Strand	-
Start	2810	End	5888
Name	OJ990520_06.0103.C81.o2.np	Method	AAT/NAP
Start	3025	End	5888
GI	6721512	Score	68
Exons	3025..3051, 4641..4755, 5846..5888		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9117	Seq. ID	OJ990520_06.0103.C81
Gene No.	19499	Strand	-
Start	2810	End	5888
Name	OJ990520_06.0103.C81.o1.np	Method	AAT/NAP
Start	3586	End	5888
GI	4680203	Score	373
Exons	3586..4179, 5349..5401, 5845..5888		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9117	Seq. ID	OJ990520_06.0103.C81
Gene No.	19499	Strand	-

Start	2810	End	5888
Name	OJ990520_06.0103.C81.o1.tw	Method	TBLASTX:Wheat
Start	3657	End	4183
GI	none	Score	55
Exons	3657..3719, 3668..3748, 3674..3745, 3774..3800, 3775..3801, 3799..3951, 3805..3882, 3806..3883, 3831..3926, 3898..3996, 3933..3980, 3995..4174, 4026..4154, 4028..4183		

Seq. No.	9118	Seq. ID	OJ990520_06.0103.C82
Gene No.	19500	Strand	+
Start	1	End	5122
Name	OJ990520_06.0103.C82.o1.np	Method	AAT/NAP
Start	1	End	2839
GI	5295955	Score	542
Exons	1..64, 294..361, 899..1012, 1693..2119, 2249..2839		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	9118	Seq. ID	OJ990520_06.0103.C82
Gene No.	19500	Strand	+
Start	1	End	5122
Name	OJ990520_06.0103.C82.o2.np	Method	AAT/NAP
Start	1	End	5122
GI	6063554	Score	328
Exons	1..25, 3391..3608, 4286..4313, 4948..5122		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9118	Seq. ID	OJ990520_06.0103.C82
Gene No.	19500	Strand	+
Start	1	End	5122
Name	OJ990520_06.0103.C82.o1.gs	Method	GENSCAN
Start	273	End	1517
GI	none	Score	.83
Exons	273..429, 835..953, 1436..1517		

Seq. No.	9118	Seq. ID	OJ990520_06.0103.C82
Gene No.	19501	Strand	+
Start	7641	End	9560
Name	OJ990520_06.0103.C82.o3.np	Method	AAT/NAP
Start	7641	End	9560
GI	6705984	Score	347
Exons	7641..8143, 9445..9560		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	9118	Seq. ID	OJ990520_06.0103.C82
Gene No.	19502	Strand	-
Start	1671	End	3748
Name	OJ990520_06.0103.C82.o2.gs	Method	GENSCAN
Start	1671	End	3748
GI	none	Score	.59
Exons	1671..1756, 2006..2098, 2191..2270, 2701..2745, 3246..3748		

Seq. No.	9118	Seq. ID	OJ990520_06.0103.C82
Gene No.	19503	Strand	
Start	7661	End	8125

Name	OJ990520_06.0103.C82.o1.tw	Method	TBLASTX:Wheat
Start	7661	End	8125
GI	none	Score	70
Exons	7661..7759, 7743..7931, 7763..7906, 7773..7919, 7938..8057, 7949..8125		

Seq. No.	9118	Seq. ID	OJ990520_06.0103.C82
Gene No.	19503	Strand	
Start	7661	End	8125
Name	OJ990520_06.0103.C82.o1.ts	Method	TBLASTX:Soybean
Start	7719	End	8078
GI	none	Score	142
Exons	7719..7940, 7766..7927, 7962..8078		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o2.tw	Method	TBLASTX:Wheat
Start	1541	End	5349
GI	none	Score	52
Exons	1541..1603, 4782..5345, 4813..5349		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o2.np	Method	AAT/NAP
Start	1856	End	6359
GI	4680179	Score	5390
Exons	1856..2925, 2959..6359		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o9.tw	Method	TBLASTX:Wheat
Start	2044	End	2282
GI	none	Score	209
Exons	2044..2070, 2083..2280, 2085..2282		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o7.tw	Method	TBLASTX:Wheat
Start	2316	End	2667
GI	none	Score	293
Exons	2316..2510, 2317..2667		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o6.tm	Method	TBLASTX:Maize
Start	2317	End	2622
GI	none	Score	232
Exons	2317..2622, 2331..2447		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+

Start	1856	End	6359
Name	OJ990520_06.0103.C83.o7.tm	Method	TBLASTX:Maize
Start	2950	End	3303
GI	none	Score	188
Exons	2950..3303		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o8.tw	Method	TBLASTX:Wheat
Start	2986	End	3408
GI	none	Score	164
Exons	2986..3195, 3042..3134, 3240..3353, 3241..3408		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o4.tw	Method	TBLASTX:Wheat
Start	3523	End	4005
GI	none	Score	52
Exons	3523..3573, 3627..3962, 3628..4005		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o5.tm	Method	TBLASTX:Maize
Start	3535	End	3824
GI	none	Score	260
Exons	3535..3822, 3633..3824		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o3.tm	Method	TBLASTX:Maize
Start	3892	End	4392
GI	none	Score	167
Exons	3892..4071, 3900..4046, 4078..4392, 4218..4271, 4299..4349		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o1.ts	Method	TBLASTX:Soybean
Start	3946	End	4341
GI	none	Score	57
Exons	3946..3978, 3948..3977, 3982..4341, 3984..4022, 4050..4340		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o5.tw	Method	TBLASTX:Wheat
Start	4054	End	4356
GI	none	Score	380
Exons	4054..4356, 4055..4162, 4056..4340, 4057..4350		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359

Name	OJ990520_06.0103.C83.o3.tw	Method	TBLASTX:Wheat
Start	4357	End	4779
GI	none	Score	598
Exons	4357..4779, 4389..4778		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o3.ts	Method	TBLASTX:Soybean
Start	4363	End	4608
GI	none	Score	207
Exons	4363..4608, 4380..4607		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o2.tm	Method	TBLASTX:Maize
Start	4428	End	4782
GI	none	Score	482
Exons	4428..4778, 4429..4782		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o2.ts	Method	TBLASTX:Soybean
Start	5137	End	5396
GI	none	Score	220
Exons	5137..5349, 5142..5345, 5345..5395, 5346..5396		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o4.tm	Method	TBLASTX:Maize
Start	5161	End	5414
GI	none	Score	281
Exons	5161..5349, 5163..5345, 5346..5414, 5346..5399		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o1.tw	Method	TBLASTX:Wheat
Start	5355	End	5981
GI	none	Score	710
Exons	5355..5981, 5411..5980		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o1.tm	Method	TBLASTX:Maize
Start	5535	End	6134
GI	none	Score	231
Exons	5535..5696, 5543..5689, 5693..6118, 5694..6134		

Seq. No.	9119	Seq. ID	OJ990520_06.0103.C83
Gene No.	19504	Strand	+
Start	1856	End	6359
Name	OJ990520_06.0103.C83.o6.tw	Method	TBLASTX:Wheat

Start	5981	End	6314
GI	none	Score	326
Exons	5981..6250, 5982..6314, 5985..6293		

Seq. No.	9120	Seq. ID	OJ990520_06.0103.C84
Gene No.	19505	Strand	+
Start	278	End	843
Name	OJ990520_06.0103.C84.o1.gs	Method	GENSCAN
Start	278	End	843
GI	none	Score	.47
Exons	278..287, 688..843		

Seq. No.	9121	Seq. ID	OJ990520_06.0103.C86
Gene No.	19506	Strand	+
Start	1	End	1534
Name	OJ990520_06.0103.C86.o1.np	Method	AAT/NAP
Start	1	End	1534
GI	5852175	Score	118
Exons	1..97, 701..803, 1419..1534		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	9121	Seq. ID	OJ990520_06.0103.C86
Gene No.	19506	Strand	+
Start	1	End	1534
Name	OJ990520_06.0103.C86.o1.gs	Method	GENSCAN
Start	148	End	245
GI	none	Score	.81
Exons	148..245		

Seq. No.	9121	Seq. ID	OJ990520_06.0103.C86
Gene No.	19506	Strand	+
Start	1	End	1534
Name	OJ990520_06.0103.C86.o1.gp	Method	AAT/GAP
Start	904	End	1477
GI	3761363	Score	781
Exons	904..1477		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	9121	Seq. ID	OJ990520_06.0103.C86
Gene No.	19507	Strand	-
Start	961	End	1371
Name	OJ990520_06.0103.C86.o2.gs	Method	GENSCAN
Start	961	End	1371
GI	none	Score	.52
Exons	961..1106, 1173..1371		

Seq. No.	9122	Seq. ID	OJ990520_06.0103.C87
Gene No.	19508	Strand	+
Start	671	End	1230
Name	OJ990520_06.0103.C87.o1.np	Method	AAT/NAP
Start	671	End	1230
GI	6539586	Score	157
Exons	671..1230		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9122	Seq. ID	OJ990520_06.0103.C87

Gene No.	19509	Strand	-
Start	416	End	1162
Name	OJ990520_06.0103.C87.o1.gs	Method	GENSCAN
Start	416	End	1162
GI	none	Score	.58
Exons	416..515, 656..770, 1031..1162		

Seq. No.	9123	Seq. ID	OJ990520_06.0103.C89
Gene No.	19510	Strand	+
Start	133	End	210
Name	OJ990520_06.0103.C89.o1.gs	Method	GENSCAN
Start	133	End	210
GI	none	Score	.63
Exons	133..210		

Seq. No.	9124	Seq. ID	OJ990520_06.0103.C90
Gene No.	19511	Strand	+
Start	352	End	575
Name	OJ990520_06.0103.C90.o1.gs	Method	GENSCAN
Start	352	End	575
GI	none	Score	.54
Exons	352..575		

Seq. No.	9125	Seq. ID	OJ990520_06.0103.C91
Gene No.	19512	Strand	-
Start	472	End	512
Name	OJ990520_06.0103.C91.o1.gs	Method	GENSCAN
Start	472	End	512
GI	none	Score	.63
Exons	472..512		

Seq. No.	9126	Seq. ID	OJ990520_06.0103.C95
Gene No.	19513	Strand	+
Start	142	End	538
Name	OJ990520_06.0103.C95.o1.np	Method	AAT/NAP
Start	142	End	538
GI	4680185	Score	369
Exons	142..538		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9126	Seq. ID	OJ990520_06.0103.C95
Gene No.	19513	Strand	+
Start	142	End	538
Name	OJ990520_06.0103.C95.o1.gs	Method	GENSCAN
Start	181	End	501
GI	none	Score	.82
Exons	181..501		

Seq. No.	9127	Seq. ID	OJ990520_06.0103.C99
Gene No.	19514	Strand	+
Start	73	End	542
Name	OJ990520_06.0103.C99.o1.gs	Method	GENSCAN
Start	73	End	542
GI	none	Score	.71
Exons	73..542		

Seq. No.	9128	Seq. ID	OJ990520_06.0103.C101

Gene No.	19515	Strand	-
Start	1	End	2022
Name	OJ990520_06.0103.C101.o1.np	Method	AAT/NAP
Start	1	End	2022
GI	4680179	Score	1864
Exons	1..1134, 1168..2022		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9128	Seq. ID	OJ990520_06.0103.C101
Gene No.	19515	Strand	-
Start	1	End	2022
Name	OJ990520_06.0103.C101.o1.tm	Method	TBLASTX:Maize
Start	44	End	468
GI	none	Score	79
Exons	44..238, 70..468, 250..429		

Seq. No.	9128	Seq. ID	OJ990520_06.0103.C101
Gene No.	19515	Strand	-
Start	1	End	2022
Name	OJ990520_06.0103.C101.o1.tw	Method	TBLASTX:Wheat
Start	91	End	577
GI	none	Score	253
Exons	91..468, 134..577, 523..573		

Seq. No.	9128	Seq. ID	OJ990520_06.0103.C101
Gene No.	19515	Strand	-
Start	1	End	2022
Name	OJ990520_06.0103.C101.o3.tw	Method	TBLASTX:Wheat
Start	673	End	1107
GI	none	Score	58
Exons	673..714, 742..855, 743..856, 883..963, 988..1107		

Seq. No.	9128	Seq. ID	OJ990520_06.0103.C101
Gene No.	19515	Strand	-
Start	1	End	2022
Name	OJ990520_06.0103.C101.o2.tw	Method	TBLASTX:Wheat
Start	1426	End	1779
GI	none	Score	74
Exons	1426..1779, 1583..1753		

Seq. No.	9128	Seq. ID	OJ990520_06.0103.C101
Gene No.	19515	Strand	-
Start	1	End	2022
Name	OJ990520_06.0103.C101.o2.tm	Method	TBLASTX:Maize
Start	1471	End	1753
GI	none	Score	42
Exons	1471..1752, 1481..1555, 1646..1753		

Seq. No.	9129	Seq. ID	OJ990520_06.0103.C103
Gene No.	19516	Strand	+
Start	1	End	3601
Name	OJ990520_06.0103.C103.o2.np	Method	AAT/NAP
Start	1	End	3601
GI	5852180	Score	71
Exons	1..86, 2880..2967, 3546..3601		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9129	Seq. ID	OJ990520_06.0103.C103
Gene No.	19516	Strand	+
Start	1	End	3601
Name	OJ990520_06.0103.C103.o2.gp	Method	AAT/GAP
Start	3056	End	3240
GI	uC-osf1M202048c12b1	Score	318
Exons	3056..3240		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9129	Seq. ID	OJ990520_06.0103.C103
Gene No.	19516	Strand	+
Start	1	End	3601
Name	OJ990520_06.0103.C103.o3.gp	Method	AAT/GAP
Start	3380	End	3447
GI	uC-osroM202024h08a1	Score	83
Exons	3380..3447		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9129	Seq. ID	OJ990520_06.0103.C103
Gene No.	19517	Strand	-
Start	1	End	389
Name	OJ990520_06.0103.C103.o1.np	Method	AAT/NAP
Start	1	End	389
GI	5852180	Score	279
Exons	1..389		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9129	Seq. ID	OJ990520_06.0103.C103
Gene No.	19518	Strand	-
Start	2141	End	2959
Name	OJ990520_06.0103.C103.o1.gp	Method	AAT/GAP
Start	953	End	1074
GI	uC-osf1cyp033a04b1	Score	181
Exons	953..1074		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9129	Seq. ID	OJ990520_06.0103.C103
Gene No.	19518	Strand	-
Start	2141	End	2959
Name	OJ990520_06.0103.C103.o1.gs	Method	GENSCAN
Start	2141	End	2959
GI	none	Score	.76
Exons	2141..2253, 2956..2959		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19519	Strand	+
Start	271	End	5976
Name	OJ990520_06.0103.C104.o3.np	Method	AAT/NAP
Start	271	End	4287
GI	5852180	Score	252
Exons	271..302, 3932..4287		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104

Gene No.	19519	Strand	+
Start	271	End	5976
Name	OJ990520_06.0103.C104.o1.gs	Method	GENSCAN
Start	1564	End	2493
GI	none	Score	.75
Exons	1564..1814, 2374..2493		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19519	Strand	+
Start	271	End	5976
Name	OJ990520_06.0103.C104.o2.gp	Method	AAT/GAP
Start	2892	End	3274
GI	uC-osflcyp033a04b1	Score	708
Exons	2892..3274		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19519	Strand	+
Start	271	End	5976
Name	OJ990520_06.0103.C104.o2.gs	Method	GENSCAN
Start	3071	End	4388
GI	none	Score	.98
Exons	3071..3146, 3868..4388		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19519	Strand	+
Start	271	End	5976
Name	OJ990520_06.0103.C104.o3.gp	Method	AAT/GAP
Start	3634	End	3705
GI	uC-osroM202024h08a1	Score	83
Exons	3634..3705		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19519	Strand	+
Start	271	End	5976
Name	OJ990520_06.0103.C104.o4.np	Method	AAT/NAP
Start	4274	End	5976
GI	6498436	Score	349
Exons	4274..4419, 5474..5976		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19520	Strand	-
Start	1	End	6776
Name	OJ990520_06.0103.C104.o1.np	Method	AAT/NAP
Start	1	End	915
GI	4680179	Score	1342
Exons	1..915		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19520	Strand	-
Start	1	End	6776
Name	OJ990520_06.0103.C104.o2.np	Method	AAT/NAP

Start	1	End	6776
GI	5852180	Score	615
Exons	1..61, 1549..1968, 2020..2138, 3124..3176, 6751..6776		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19521	Strand	-
Start	7222	End	7480
Name	OJ990520_06.0103.C104.o4.gp	Method	AAT/GAP
Start	7222	End	7480
GI	61605_3.R1084	Score	398
Exons	7222..7480		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o2.tw	Method	TBLASTX:Wheat
Start	2	End	307
GI	none	Score	65
Exons	2..202, 3..110, 205..306, 233..307		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o1.tm	Method	TBLASTX:Maize
Start	170	End	753
GI	none	Score	146
Exons	170..202, 205..594, 293..595, 590..745, 592..753, 599..745, 601..747		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o1.tw	Method	TBLASTX:Wheat
Start	307	End	888
GI	none	Score	51
Exons	307..888, 308..376, 313..558, 419..877		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o2.tm	Method	TBLASTX:Maize
Start	754	End	901
GI	none	Score	135
Exons	754..897, 782..901		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o5.np	Method	AAT/NAP
Start	7850	End	9573
GI	6063554	Score	197
Exons	7850..8024, 8658..8688, 9343..9455, 9490..9573		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o5.gp	Method	AAT/GAP
Start	8010	End	8442
GI	2428185	Score	710
Exons	8010..8442		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o6.np	Method	AAT/NAP
Start	9144	End	11518
GI	6587815	Score	111
Exons	9144..9174, 10573..10864, 11436..11518		
GI Descrip.	(AC010924) Similar to gb|U44028 Arabidopsis thaliana transcription factor CKC and contains a PF|00069 Eukaryotic protein kinase domain.		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o3.tm	Method	TBLASTX:Maize
Start	10574	End	10852
GI	none	Score	107
Exons	10574..10762, 10575..10733, 10745..10801, 10820..10852		

Seq. No.	9130	Seq. ID	OJ990520_06.0103.C104
Gene No.	19522	Strand	-
Start	7850	End	11518
Name	OJ990520_06.0103.C104.o4.gs	Method	GENSCAN
Start	10736	End	10878
GI	none	Score	.95
Exons	10736..10878		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19523	Strand	+
Start	224	End	270
Name	OJ990520_06.0103.C105.o1.gs	Method	GENSCAN
Start	224	End	270
GI	none	Score	.66
Exons	224..270		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19524	Strand	-
Start	1	End	6951
Name	OJ990520_06.0103.C105.o1.np	Method	AAT/NAP
Start	1	End	3972
GI	6587815	Score	122
Exons	1..84, 425..669, 3780..3972		
GI Descrip.	(AC010924) Similar to gb|U44028 Arabidopsis thaliana transcription factor CKC and contains a PF|00069 Eukaryotic protein kinase domain.		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19524	Strand	-
Start	1	End	6951
Name	OJ990520_06.0103.C105.o2.gs	Method	GENSCAN
Start	418	End	6951
GI	none	Score	.55
Exons	418..731, 1741..1914, 4093..4299, 4305..4458, 4955..5629, 5706..5936, 5992..6444, 6557..6951		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19524	Strand	-
Start	1	End	6951
Name	OJ990520_06.0103.C105.o3.tm	Method	TBLASTX:Maize
Start	427	End	705
GI	none	Score	114
Exons	427..615, 428..598, 580..654, 653..703, 673..705		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19524	Strand	-
Start	1	End	6951
Name	OJ990520_06.0103.C105.o2.tw	Method	TBLASTX:Wheat
Start	4253	End	4581
GI	none	Score	111
Exons	4253..4453, 4255..4575, 4282..4581		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19524	Strand	-
Start	1	End	6951
Name	OJ990520_06.0103.C105.o2.np	Method	AAT/NAP
Start	4255	End	6822
GI	4206306	Score	926
Exons	4255..5603, 6615..6822		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19524	Strand	-
Start	1	End	6951
Name	OJ990520_06.0103.C105.o2.tm	Method	TBLASTX:Maize
Start	4255	End	4497
GI	none	Score	142
Exons	4255..4497, 4256..4474, 4282..4494		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19524	Strand	-
Start	1	End	6951
Name	OJ990520_06.0103.C105.o1.tm	Method	TBLASTX:Maize
Start	4525	End	4881
GI	none	Score	166
Exons	4525..4569, 4581..4874, 4581..4880, 4582..4881		

Seq. No.	9131	Seq. ID	OJ990520_06.0103.C105
Gene No.	19524	Strand	-
Start	1	End	6951
Name	OJ990520_06.0103.C105.o1.tw	Method	TBLASTX:Wheat
Start	4581	End	5008
GI	none	Score	110

Exons	4581..4865, 4581..4898, 4582..4896, 4910..5008		
Seq. No.	9132	Seq. ID	OJ990520_06.0103.C106
Gene No.	19525	Strand	-
Start	156	End	329
Name	OJ990520_06.0103.C106.o1.gs	Method	GENSCAN
Start	156	End	329
GI	none	Score	.92
Exons	156..329		
Seq. No.	9133	Seq. ID	OJ990520_06.0103.C111
Gene No.	19526	Strand	+
Start	680	End	720
Name	OJ990520_06.0103.C111.o1.gs	Method	GENSCAN
Start	680	End	720
GI	none	Score	.72
Exons	680..720		
Seq. No.	9134	Seq. ID	OJ990520_06.0103.C114
Gene No.	19527	Strand	+
Start	55	End	189
Name	OJ990520_06.0103.C114.o1.gs	Method	GENSCAN
Start	55	End	189
GI	none	Score	.4
Exons	55..189		
Seq. No.	9135	Seq. ID	OJ990520_06.0103.C116
Gene No.	19528	Strand	-
Start	328	End	409
Name	OJ990520_06.0103.C116.o1.gp	Method	AAT/GAP
Start	328	End	409
GI	5816509	Score	141
Exons	328..409		
GI Descrip.	5922603/dbj|AP000492.1|AP000492 3.0e-30 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		
Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19529	Strand	+
Start	110	End	309
Name	OJ990520_02.0103.C1.o1.gs	Method	GENSCAN
Start	110	End	309
GI	none	Score	.96
Exons	110..309		
Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19530	Strand	+
Start	13610	End	15395
Name	OJ990520_02.0103.C1.o4.gs	Method	GENSCAN
Start	13610	End	15395
GI	none	Score	.56
Exons	13610..13615, 15306..15395		
Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19531	Strand	+
Start	22670	End	23690
Name	OJ990520_02.0103.C1.o7.gs	Method	GENSCAN
Start	22670	End	23690

GI	none	Score	.68
Exons	22670..22674, 23276..23690		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19532	Strand	+
Start	27723	End	28760
Name	OJ990520_02.0103.C1.o8.gs	Method	GENSCAN
Start	27723	End	28760
GI	none	Score	.86
Exons	27723..27768, 28197..28304, 28558..28760		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19533	Strand	-
Start	1303	End	10100
Name	OJ990520_02.0103.C1.o2.gs	Method	GENSCAN
Start	1303	End	10100
GI	none	Score	.59
Exons	1303..1804, 1969..2237, 3521..4151, 4233..4393, 4482..4602, 5204..5337, 5544..5669, 5738..5858, 6016..6088, 6496..7473, 7723..8139, 8206..9132, 9212..9604, 10004..10100		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19534	Strand	-
Start	10237	End	12376
Name	OJ990520_02.0103.C1.o3.gs	Method	GENSCAN
Start	10237	End	12376
GI	none	Score	.79
Exons	10237..10443, 12290..12376		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19535	Strand	-
Start	15827	End	21810
Name	OJ990520_02.0103.C1.o5.gs	Method	GENSCAN
Start	15827	End	20248
GI	none	Score	.76
Exons	15827..16621, 16805..16950, 17167..17445, 17674..19293, 19459..20248		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19535	Strand	-
Start	15827	End	21810
Name	OJ990520_02.0103.C1.o1.np	Method	AAT/NAP
Start	15830	End	20789
GI	4680179	Score	5496
Exons	15830..19210, 19238..20190, 20686..20789		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19535	Strand	-
Start	15827	End	21810
Name	OJ990520_02.0103.C1.o6.gs	Method	GENSCAN
Start	20471	End	21241
GI	none	Score	.85
Exons	20471..21076, 21122..21241		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19535	Strand	-

Start	15827	End	21810
Name	OJ990520_02.0103.C1.o2.np	Method	AAT/NAP
Start	20508	End	21810
GI	4512231	Score	1056
Exons	20508..21263, 21770..21810		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19536	Strand	-
Start	22225	End	24368
Name	OJ990520_02.0103.C1.o3.np	Method	AAT/NAP
Start	22225	End	24368
GI	6063554	Score	183
Exons	22225..22403, 23533..23775, 24336..24368		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19536	Strand	-
Start	22225	End	24368
Name	OJ990520_02.0103.C1.o4.np	Method	AAT/NAP
Start	22953	End	23849
GI	5852178	Score	401
Exons	22953..23055, 23418..23514, 23546..23849		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19537	Strand	-
Start	29829	End	34335
Name	OJ990520_02.0103.C1.o9.gs	Method	GENSCAN
Start	29829	End	34335
GI	none	Score	.45
Exons	29829..29941, 31916..32089, 34299..34335		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o7.tm	Method	TBLASTX:Maize
Start	3908	End	4915
GI	none	Score	83
Exons	3908..4021, 3912..4028, 4034..4156, 4035..4154, 4259..4339, 4693..4788, 4701..4763, 4859..4915, 4865..4897		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o5.ts	Method	TBLASTX:Soybean
Start	6263	End	6445
GI	none	Score	110
Exons	6263..6445, 6264..6443		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o10.tm	Method	TBLASTX:Maize
Start	6371	End	6692

GI	none	Score	50
Exons	6371..6445, 6372..6449, 6464..6691, 6471..6692		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o9.tm	Method	TBLASTX:Maize
Start	6995	End	7363
GI	none	Score	98
Exons	6995..7237, 7107..7292, 7282..7338, 7313..7363		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	9059	End	9608
GI	none	Score	46
Exons	9059..9154, 9060..9125, 9074..9151, 9213..9335, 9214..9330, 9222..9335, 9336..9608, 9343..9519		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o7.tw	Method	TBLASTX:Wheat
Start	9246	End	9647
GI	none	Score	145
Exons	9246..9323, 9322..9597, 9348..9647		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o6.tw	Method	TBLASTX:Wheat
Start	15875	End	16208
GI	none	Score	114
Exons	15875..16207, 15927..16208		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	16070	End	16655
GI	none	Score	102
Exons	16070..16495, 16071..16277, 16091..16375, 16332..16496, 16493..16654, 16500..16655		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	16208	End	16834
GI	none	Score	50
Exons	16208..16834, 16209..16277, 16335..16832		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o5.tm	Method	TBLASTX:Maize

Start	16703	End	16994
GI	none	Score	268
Exons	16703..16966, 16710..16967, 16889..16993, 16890..16994		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	16793	End	17053
GI	none	Score	127
Exons	16793..17053, 16794..16967, 16802..17041		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o3.tw	Method	TBLASTX:Wheat
Start	16841	End	17380
GI	none	Score	269
Exons	16841..17296, 16841..17380		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	17408	End	17761
GI	none	Score	43
Exons	17408..17761, 17415..17447, 17493..17756		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	17408	End	17833
GI	none	Score	208
Exons	17408..17716, 17408..17833, 17415..17831		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o4.ts	Method	TBLASTX:Soybean
Start	17579	End	17827
GI	none	Score	38
Exons	17579..17827, 17598..17642, 17697..17801		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o6.tm	Method	TBLASTX:Maize
Start	17768	End	18100
GI	none	Score	76
Exons	17768..18100, 17769..18047		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o5.tw	Method	TBLASTX:Wheat
Start	17834	End	18136

GI	none	Score	189
Exons	17834..18097, 17835..18098, 17843..18136		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	17849	End	18244
GI	none	Score	48
Exons	17849..18208, 17872..17952, 17955..18092, 18165..18206, 18212..18244, 18212..18244		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o4.tm	Method	TBLASTX:Maize
Start	18155	End	18602
GI	none	Score	115
Exons	18155..18598, 18165..18602		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o4.tw	Method	TBLASTX:Wheat
Start	18185	End	18668
GI	none	Score	211
Exons	18185..18667, 18188..18556, 18228..18668		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o3.ts	Method	TBLASTX:Soybean
Start	18317	End	18631
GI	none	Score	198
Exons	18317..18631		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o9.tw	Method	TBLASTX:Wheat
Start	18800	End	19153
GI	none	Score	250
Exons	18800..19153		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o8.tw	Method	TBLASTX:Wheat
Start	19493	End	19838
GI	none	Score	62
Exons	19493..19837, 19628..19744, 19644..19838		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o8.tm	Method	TBLASTX:Maize
Start	19499	End	19837

GI	none	Score	232
Exons	19499..19837		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o10.tw	Method	TBLASTX:Wheat
Start	19889	End	20087
GI	none	Score	61
Exons	19889..20062, 19889..20086, 19890..20087		

Seq. No.	9136	Seq. ID	OJ990520_02.0103.C1
Gene No.	19538	Strand	-
Start	36664	End	38200
Name	OJ990520_02.0103.C1.o10.gs	Method	GENSCAN
Start	36664	End	38200
GI	none	Score	.47
Exons	36664..36778, 38074..38200		

Seq. No.	9137	Seq. ID	OJ990520_02.0103.C2
Gene No.	19539	Strand	-
Start	3580	End	3820
Name	OJ990520_02.0103.C2.o1.gs	Method	GENSCAN
Start	3580	End	3820
GI	none	Score	.88
Exons	3580..3820		

Seq. No.	9138	Seq. ID	OJ990520_02.0103.C3
Gene No.	19540	Strand	+
Start	5725	End	7267
Name	OJ990520_02.0103.C3.o2.np	Method	AAT/NAP
Start	5725	End	7267
GI	4538896	Score	351
Exons	5725..5775, 6571..6955, 7063..7267		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	9138	Seq. ID	OJ990520_02.0103.C3
Gene No.	19541	Strand	-
Start	100	End	4439
Name	OJ990520_02.0103.C3.o1.gs	Method	GENSCAN
Start	100	End	4439
GI	none	Score	.57
Exons	100..242, 404..499, 1094..1164, 1415..1557, 1772..1853, 1947..2049, 2279..2666, 2808..3191, 3436..3584, 3946..4101, 4265..4439		

Seq. No.	9138	Seq. ID	OJ990520_02.0103.C3
Gene No.	19542	Strand	-
Start	5630	End	6622
Name	OJ990520_02.0103.C3.o2.gs	Method	GENSCAN
Start	5630	End	6622
GI	none	Score	.82
Exons	5630..5904, 6489..6622		

Seq. No.	9139	Seq. ID	OJ990520_02.0103.C4
Gene No.	19543	Strand	+
Start	1	End	1657

Name	OJ990520_02.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	1657
GI	4538896	Score	610
Exons	1..95, 124..846, 1625..1657		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	9139	Seq. ID	OJ990520_02.0103.C4
Gene No.	19543	Strand	+
Start	1	End	1657
Name	OJ990520_02.0103.C4.o1.gs	Method	GENSCAN
Start	529	End	845
GI	none	Score	.83
Exons	529..845		

Seq. No.	9139	Seq. ID	OJ990520_02.0103.C4
Gene No.	19544	Strand	+
Start	1575	End	1635
Name	OJ990520_02.0103.C4.o2.gs	Method	GENSCAN
Start	1575	End	1635
GI	none	Score	.77
Exons	1575..1635		

Seq. No.	9140	Seq. ID	OJ990520_02.0103.C5
Gene No.	19545	Strand	+
Start	1	End	8380
Name	OJ990520_02.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	2779
GI	2130022	Score	109
Exons	1..76, 1267..1383, 2747..2779		
GI Descrip.	aldose reductase homolog - wild oat gi|1155213 (U21747) aldose reductase-related protein [Avena fatua] gi|1587923|prf||2207360A aldose reductase [Avena fatua]		

Seq. No.	9140	Seq. ID	OJ990520_02.0103.C5
Gene No.	19545	Strand	+
Start	1	End	8380
Name	OJ990520_02.0103.C5.o1.gs	Method	GENSCAN
Start	487	End	8380
GI	none	Score	.47
Exons	487..574, 1760..1811, 1876..1905, 2916..2983, 3694..3909, 4505..4704, 4752..4952, 5489..5637, 5664..5743, 5991..6151, 8225..8380		

Seq. No.	9141	Seq. ID	OJ990520_02.0103.C6
Gene No.	19546	Strand	+
Start	554	End	1891
Name	OJ990520_02.0103.C6.o1.gs	Method	GENSCAN
Start	554	End	1891
GI	none	Score	.73
Exons	554..610, 831..900, 1460..1891		

Seq. No.	9141	Seq. ID	OJ990520_02.0103.C6
Gene No.	19547	Strand	-
Start	1	End	1949
Name	OJ990520_02.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	1949
GI	5852093	Score	78

Exons	1..95, 1225..1332, 1929..1949		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	9141	Seq. ID	OJ990520_02.0103.C6
Gene No.	19547	Strand	-
Start	1	End	1949
Name	OJ990520_02.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	1501	End	1809
GI	none	Score	212
Exons	1501..1731, 1501..1602, 1523..1711, 1524..1733, 1582..1716, 1590..1655, 1600..1746, 1685..1804, 1765..1809		
Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19548	Strand	+
Start	1	End	9351
Name	OJ990520_02.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	397
GI	3152568	Score	197
Exons	1..397		
GI Descrip.	(AC002986) Similar to hypothetical protein product gb|Z97337 from A. thaliana. EST gb|H76597 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19548	Strand	+
Start	1	End	9351
Name	OJ990520_02.0103.C8.o1.gs	Method	GENSCAN
Start	198	End	9351
GI	none	Score	.4
Exons	198..428, 2443..2561, 3286..3467, 4323..4347, 5244..5288, 6104..6246, 6372..7815, 7897..8316, 8392..8451, 8569..8634, 8716..9351		
Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	2	End	334
GI	none	Score	375
Exons	2..334, 3..326, 4..330, 167..331		
Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o2.gs	Method	GENSCAN
Start	10236	End	13998
GI	none	Score	.89
Exons	10236..10694, 10872..12338, 12591..13554, 13670..13998		
Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o4.ts	Method	TBLASTX:Soybean
Start	10246	End	10496
GI	none	Score	46
Exons	10246..10284, 10251..10496, 10357..10494		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o2.np	Method	AAT/NAP
Start	10257	End	13420
GI	4544372	Score	1223
Exons	10257..11833, 11943..12334, 12395..13420		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o2.tw	Method	TBLASTX:Wheat
Start	10272	End	10679
GI	none	Score	87
Exons	10272..10679, 10306..10539		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o4.tw	Method	TBLASTX:Wheat
Start	10704	End	11078
GI	none	Score	53
Exons	10704..11078, 10999..11073		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o3.ts	Method	TBLASTX:Soybean
Start	10839	End	11237
GI	none	Score	92
Exons	10839..11237, 11017..11133		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o4.tm	Method	TBLASTX:Maize
Start	10860	End	11240
GI	none	Score	87
Exons	10860..11084, 11082..11240		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o3.tw	Method	TBLASTX:Wheat
Start	11637	End	12056
GI	none	Score	54
Exons	11637..11927, 11680..11829, 11851..11916, 11967..12056		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	11689	End	12101
GI	none	Score	138
Exons	11689..11943, 11691..11942, 11964..12101, 11968..12099		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o2.ts	Method	TBLASTX:Soybean
Start	12265	End	12722
GI	none	Score	80
Exons	12265..12396, 12282..12440, 12441..12722, 12565..12684		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o5.tw	Method	TBLASTX:Wheat
Start	12339	End	12720
GI	none	Score	64
Exons	12339..12440, 12402..12719, 12568..12720		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	12408	End	12869
GI	none	Score	191
Exons	12408..12869, 12409..12720, 12474..12869		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o1.tw	Method	TBLASTX:Wheat
Start	12757	End	13143
GI	none	Score	292
Exons	12757..12954, 12759..13091, 12787..13083, 12818..13093, 13086..13142, 13096..13143		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	12870	End	13088
GI	none	Score	216
Exons	12870..13088, 12871..13083		

Seq. No.	9142	Seq. ID	OJ990520_02.0103.C8
Gene No.	19549	Strand	-
Start	10236	End	14052
Name	OJ990520_02.0103.C8.o5.ts	Method	TBLASTX:Soybean
Start	13714	End	14052
GI	none	Score	191
Exons	13714..14052		

Seq. No.	9143	Seq. ID	OJ990520_02.0103.C9
Gene No.	19550	Strand	-
Start	380	End	561
Name	OJ990520_02.0103.C9.o1.np	Method	AAT/NAP
Start	380	End	561
GI	629693	Score	84
Exons	380..561		

GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	9144	Seq. ID	OJ990520_02.0103.C10
Gene No.	19551	Strand	-
Start	395	End	468
Name	OJ990520_02.0103.C10.o1.gs	Method	GENSCAN
Start	395	End	468
GI	none	Score	.59
Exons	395..468		
Seq. No.	9145	Seq. ID	OJ990520_02.0103.C16
Gene No.	19552	Strand	+
Start	101	End	427
Name	OJ990520_02.0103.C16.o1.gs	Method	GENSCAN
Start	101	End	427
GI	none	Score	.8
Exons	101..197, 219..427		
Seq. No.	9145	Seq. ID	OJ990520_02.0103.C16
Gene No.	19553	Strand	-
Start	1	End	477
Name	OJ990520_02.0103.C16.o1.np	Method	AAT/NAP
Start	1	End	477
GI	6498441	Score	115
Exons	1..80, 408..477		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	9146	Seq. ID	OJ990520_02.0103.C20
Gene No.	19554	Strand	+
Start	75	End	431
Name	OJ990520_02.0103.C20.o1.gs	Method	GENSCAN
Start	75	End	419
GI	none	Score	.96
Exons	75..419		
Seq. No.	9146	Seq. ID	OJ990520_02.0103.C20
Gene No.	19554	Strand	+
Start	75	End	431
Name	OJ990520_02.0103.C20.o1.np	Method	AAT/NAP
Start	225	End	431
GI	6063545	Score	264
Exons	225..431		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		
Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19555	Strand	+
Start	116	End	784
Name	OJ990520_02.0103.C21.o1.gs	Method	GENSCAN
Start	116	End	784
GI	none	Score	.96
Exons	116..784		
Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19556	Strand	-

Start	1	End	5274
Name	OJ990520_02.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	3784
GI	6498441	Score	2243
Exons	1..232, 1190..1325, 1509..1880, 1944..2393, 2721..3784		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19556	Strand	-
Start	1	End	5274
Name	OJ990520_02.0103.C21.o2.gs	Method	GENSCAN
Start	1055	End	5274
GI	none	Score	.66
Exons	1055..1462, 1509..1880, 1959..2175, 2187..2472, 2680..3024, 3030..3162, 3262..3668, 3915..4053, 4391..4422, 4944..5018, 5128..5274		

Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19556	Strand	-
Start	1	End	5274
Name	OJ990520_02.0103.C21.o2.tm	Method	TBLASTX:Maize
Start	1094	End	1361
GI	none	Score	47
Exons	1094..1162, 1095..1154, 1161..1361, 1163..1360		

Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19556	Strand	-
Start	1	End	5274
Name	OJ990520_02.0103.C21.o3.tw	Method	TBLASTX:Wheat
Start	1103	End	1412
GI	none	Score	58
Exons	1103..1162, 1116..1163, 1160..1411, 1173..1412		

Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19556	Strand	-
Start	1	End	5274
Name	OJ990520_02.0103.C21.o1.tm	Method	TBLASTX:Maize
Start	1388	End	1742
GI	none	Score	58
Exons	1388..1534, 1398..1526, 1519..1656, 1539..1742		

Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19556	Strand	-
Start	1	End	5274
Name	OJ990520_02.0103.C21.o1.tw	Method	TBLASTX:Wheat
Start	1412	End	1873
GI	none	Score	112
Exons	1412..1534, 1413..1538, 1519..1656, 1539..1871, 1554..1871, 1568..1873, 1741..1872		

Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19556	Strand	-
Start	1	End	5274
Name	OJ990520_02.0103.C21.o2.tw	Method	TBLASTX:Wheat
Start	1999	End	2509

GI	none	Score	102
Exons	1999..2202, 2022..2195, 2083..2211, 2186..2284, 2195..2509, 2196..2315		

Seq. No.	9147	Seq. ID	OJ990520_02.0103.C21
Gene No.	19556	Strand	-
Start	1	End	5274
Name	OJ990520_02.0103.C21.o4.tw	Method	TBLASTX:Wheat
Start	3247	End	3621
GI	none	Score	119
Exons	3247..3621, 3293..3508		

Seq. No.	9148	Seq. ID	OJ990520_02.0103.C22
Gene No.	19557	Strand	+
Start	79	End	4001
Name	OJ990520_02.0103.C22.o1.gs	Method	GENSCAN
Start	79	End	4001
GI	none	Score	.69
Exons	79..86, 3127..3258, 3329..3551, 3600..3703, 3788..3822, 3910..4001		

Seq. No.	9149	Seq. ID	OJ990520_02.0103.C23
Gene No.	19558	Strand	+
Start	1557	End	4100
Name	OJ990520_02.0103.C23.o2.gs	Method	GENSCAN
Start	1557	End	3824
GI	none	Score	.41
Exons	1557..1626, 1693..1917, 2235..3187, 3420..3824		

Seq. No.	9149	Seq. ID	OJ990520_02.0103.C23
Gene No.	19558	Strand	+
Start	1557	End	4100
Name	OJ990520_02.0103.C23.o1.np	Method	AAT/NAP
Start	2047	End	4100
GI	2565010	Score	558
Exons	2047..3182, 3990..4100		
GI Descrip.	(AC002983) putative microfibril-associated protein [Arabidopsis thaliana] gi|3377811 (AF076275) contains similarity to ATP synthase B/B' (Pfam: ATP-synt_B.hmm, score: 11.71) [Arabidopsis thaliana]		

Seq. No.	9149	Seq. ID	OJ990520_02.0103.C23
Gene No.	19558	Strand	+
Start	1557	End	4100
Name	OJ990520_02.0103.C23.o1.tm	Method	TBLASTX:Maize
Start	2948	End	3151
GI	none	Score	219
Exons	2948..3151, 2949..3149, 2950..3150		

Seq. No.	9149	Seq. ID	OJ990520_02.0103.C23
Gene No.	19558	Strand	+
Start	1557	End	4100
Name	OJ990520_02.0103.C23.o1.ts	Method	TBLASTX:Soybean
Start	2969	End	3169
GI	none	Score	225
Exons	2969..3169, 2971..3168		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19559	Strand	+
Start	1	End	1583
Name	OJ990520_02.0103.C24.o1.np	Method	AAT/NAP
Start	1	End	1379
GI	331554	Score	601
Exons	1..107, 442..1379		
GI Descrip.	(M90543) reverse transcriptase [Cauliflower mosaic virus]		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19559	Strand	+
Start	1	End	1583
Name	OJ990520_02.0103.C24.o1.gs	Method	GENSCAN
Start	1008	End	1583
GI	none	Score	.66
Exons	1008..1278, 1315..1406, 1461..1583		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19560	Strand	+
Start	9818	End	20123
Name	OJ990520_02.0103.C24.o3.gs	Method	GENSCAN
Start	9818	End	20123
GI	none	Score	.67
Exons	9818..9909, 10085..10286, 11027..11159, 13289..13428, 13470..13509, 13843..14003, 15006..15082, 15689..15889, 16129..16228, 17218..17364, 17997..20123		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19560	Strand	+
Start	9818	End	20123
Name	OJ990520_02.0103.C24.o3.np	Method	AAT/NAP
Start	18170	End	20069
GI	3152568	Score	1124
Exons	18170..18513, 18545..20069		
GI Descrip.	(AC002986) Similar to hypothetical protein product gb|Z97337 from A. thaliana. EST gb|H76597 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19560	Strand	+
Start	9818	End	20123
Name	OJ990520_02.0103.C24.o1.gp	Method	AAT/GAP
Start	18819	End	19660
GI	30028_1.R1084	Score	1644
Exons	18819..19660		
GI Descrip.	'3152568 1.0e-73 (AC002986) Similar to hypothetical protein product gb_Z97337 from A. thaliana. EST gb_H76597 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19561	Strand	+
Start	24323	End	24832
Name	OJ990520_02.0103.C24.o2.gp	Method	AAT/GAP
Start	24323	End	24832
GI	none	Score	990
Exons	24323..24832		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19562	Strand	-
Start	6462	End	8114
Name	OJ990520_02.0103.C24.o2.np	Method	AAT/NAP
Start	6462	End	8114
GI	1360609	Score	73
Exons	6462..6485, 7787..8114		
GI Descrip.	(X97304) ORF I [Strawberry vein banding virus]		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o1.tw	Method	TBLASTX:Wheat
Start	444	End	896
GI	none	Score	45
Exons	444..587, 576..896		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o3.tc	Method	TBLASTX:Cress
Start	579	End	917
GI	none	Score	199
Exons	579..917		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o4.tm	Method	TBLASTX:Maize
Start	17994	End	18303
GI	none	Score	212
Exons	17994..18224, 17994..18095, 18010..18225, 18016..18204, 18035..18226, 18075..18209, 18083..18148, 18093..18239, 18178..18297, 18250..18303		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o3.tm	Method	TBLASTX:Maize
Start	18681	End	18943
GI	none	Score	52
Exons	18681..18725, 18722..18943, 18729..18941		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o2.ts	Method	TBLASTX:Soybean
Start	18833	End	19316
GI	none	Score	389
Exons	18833..19144, 18834..19193, 19191..19316, 19198..19311, 19208..19312		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o1.tc	Method	TBLASTX:Cress
Start	18942	End	19577

GI	none	Score	285
Exons	18942..19145, 18943..19128, 18944..19144, 19179..19238, 19205..19312, 19287..19403, 19419..19577, 19419..19577		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o1.tm	Method	TBLASTX:Maize
Start	18944	End	20134
GI	none	Score	94
Exons	18944..19060, 18948..19061, 19069..19125, 19070..19330, 19071..19400, 19197..19379, 19415..19453, 19419..19919, 19517..19918, 19883..20134, 19920..20099		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o3.ts	Method	TBLASTX:Soybean
Start	19518	End	19775
GI	none	Score	268
Exons	19518..19775, 19523..19756		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o2.tm	Method	TBLASTX:Maize
Start	24326	End	26166
GI	none	Score	49
Exons	24326..24448, 24331..24420, 24347..24421, 24408..24449, 24417..24458, 24422..24463, 24489..24530, 24490..24531, 24490..24540, 24532..24609, 24549..24665, 24551..24646, 24616..24807, 24621..24812, 25603..26163, 25607..26164, 25608..26165, 25609..26166		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o4.gs	Method	GENSCAN
Start	24549	End	27330
GI	none	Score	.82
Exons	24549..24809, 25609..26238, 27145..27246, 27279..27330		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o2.tc	Method	TBLASTX:Cress
Start	24561	End	25696
GI	none	Score	37
Exons	24561..24593, 24562..24594, 24603..24812, 24636..24746, 24667..24804, 25603..25695, 25604..25696		

Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o1.ts	Method	TBLASTX:Soybean
Start	24597	End	26292
GI	none	Score	126

Exons	24597..24812, 24606..24815, 24661..24825, 25603..26274, 25607..26185, 25902..26240, 25912..26292		
Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o4.np	Method	AAT/NAP
Start	24642	End	28683
GI	5706505	Score	417
Exons	24642..24809, 25609..26222, 27138..27246, 28626..28683		
GI Descrip.	(AL109739) trp-asp repeat protein [Schizosaccharomyces pombe]		
Seq. No.	9150	Seq. ID	OJ990520_02.0103.C24
Gene No.	19563	Strand	-
Start	24549	End	28683
Name	OJ990520_02.0103.C24.o3.gp	Method	AAT/GAP
Start	25663	End	26155
GI	none	Score	928
Exons	25663..26155		
Seq. No.	9151	Seq. ID	OJ990520_02.0103.C26
Gene No.	19564	Strand	+
Start	1	End	675
Name	OJ990520_02.0103.C26.o1.np	Method	AAT/NAP
Start	1	End	675
GI	130669	Score	84
Exons	1..60, 476..675		
GI Descrip.	ENZYMATIC POLYPROTEIN [CONTAINS: ASPARTIC PROTEASE ; ENDONUCLEASE; REVERSE TRANSCRIPTASE] gi|76791|pir||JS0375 hypothetical 85.8K protein - soybean chlorotic mottle virus gi|58839|emb|CAA33830| (X15828) ORF V put. reverse transcriptase (AA 1-741) [Soybean chlorotic mottle virus]		
Seq. No.	9152	Seq. ID	OJ990520_02.0103.C27
Gene No.	19565	Strand	+
Start	1	End	742
Name	OJ990520_02.0103.C27.o1.np	Method	AAT/NAP
Start	1	End	742
GI	4680179	Score	660
Exons	1..742		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9152	Seq. ID	OJ990520_02.0103.C27
Gene No.	19565	Strand	+
Start	1	End	742
Name	OJ990520_02.0103.C27.o1.gs	Method	GENSCAN
Start	128	End	599
GI	none	Score	.76
Exons	128..357, 382..599		
Seq. No.	9152	Seq. ID	OJ990520_02.0103.C27
Gene No.	19565	Strand	+
Start	1	End	742
Name	OJ990520_02.0103.C27.o1.tw	Method	TBLASTX:Wheat
Start	182	End	541
GI	none	Score	272
Exons	182..541, 208..285, 307..540		

Seq. No.	9152	Seq. ID	OJ990520_02.0103.C27
Gene No.	19565	Strand	+
Start	1	End	742
Name	OJ990520_02.0103.C27.o1.tm	Method	TBLASTX:Maize
Start	422	End	676
GI	none	Score	202
Exons	422..676, 448..609		

Seq. No.	9153	Seq. ID	OJ990520_02.0103.C29
Gene No.	19566	Strand	-
Start	224	End	583
Name	OJ990520_02.0103.C29.o1.gs	Method	GENSCAN
Start	224	End	583
GI	none	Score	.49
Exons	224..360, 464..583		

Seq. No.	9154	Seq. ID	OJ990520_02.0103.C30
Gene No.	19567	Strand	-
Start	149	End	389
Name	OJ990520_02.0103.C30.o1.gs	Method	GENSCAN
Start	149	End	389
GI	none	Score	.43
Exons	149..389		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19568	Strand	-
Start	816	End	7664
Name	OJ990720_08.0103.C1.o1.gs	Method	GENSCAN
Start	816	End	7664
GI	none	Score	.89
Exons	816..911, 2899..3076, 3364..3549, 3690..3994, 4678..4760, 5314..7231, 7248..7664		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19569	Strand	-
Start	10706	End	11677
Name	OJ990720_08.0103.C1.o2.gs	Method	GENSCAN
Start	10706	End	11677
GI	none	Score	.56
Exons	10706..10932, 11614..11677		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19570	Strand	-
Start	13021	End	13467
Name	OJ990720_08.0103.C1.o1.np	Method	AAT/NAP
Start	13021	End	13467
GI	6006381	Score	354
Exons	13021..13467		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19571	Strand	-
Start	13649	End	15350
Name	OJ990720_08.0103.C1.o1.gp	Method	AAT/GAP
Start	13649	End	15350
GI	20723_1.R1084	Score	1776

Exons	13649..13840, 14599..15350		
GI Descrip.	'2149018/gb|U70541|OSU70541 8.0e-14 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19572	Strand	-
Start	15678	End	15993
Name	OJ990720_08.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	2896	End	5864
GI	none	Score	152
Exons	2896..3072, 2897..3100, 2898..3071, 3364..3561, 3366..3548, 3678..3986, 3682..3984, 3686..3997, 3688..3996, 3689..3997, 4649..4882, 4653..4868, 4660..4881, 4676..4882, 5460..5861, 5461..5859, 5462..5863, 5730..5864		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19572	Strand	-
Start	15678	End	15993
Name	OJ990720_08.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	2905	End	3787
GI	none	Score	104
Exons	2905..3078, 2912..3097, 3364..3420, 3366..3428, 3417..3539, 3417..3548, 3427..3561, 3442..3558, 3688..3717, 3689..3787		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19572	Strand	-
Start	15678	End	15993
Name	OJ990720_08.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	3911	End	6611
GI	none	Score	121
Exons	3911..3997, 4641..4868, 4673..4882, 4675..4881, 5462..5698, 5819..5944, 5820..5921, 5846..5926, 5966..6307, 5981..6274, 5982..6296, 6259..6309, 6333..6533, 6335..6535, 6576..6611		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19572	Strand	-
Start	15678	End	15993
Name	OJ990720_08.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	4697	End	6133
GI	none	Score	91
Exons	4697..4813, 4702..4854, 4840..4881, 4844..4882, 5462..5719, 5466..5669, 5780..6133, 5781..6131		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19572	Strand	-
Start	15678	End	15993
Name	OJ990720_08.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	5884	End	6612
GI	none	Score	709
Exons	5884..6603, 5885..6604, 5885..6610, 5886..6611, 5892..6611, 5893..6612		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19572	Strand	-
Start	15678	End	15993
Name	OJ990720_08.0103.C1.o1.tw	Method	TBLASTX:Wheat

Start	14948	End	15340
GI	none	Score	63
Exons	14948..15067, 14949..14999, 15021..15053, 15040..15225, 15046..15339, 15053..15340, 15077..15340		

Seq. No.	9155	Seq. ID	OJ990720_08.0103.C1
Gene No.	19572	Strand	-
Start	15678	End	15993
Name	OJ990720_08.0103.C1.o2.gp	Method	AAT/GAP
Start	15678	End	15993
GI	none	Score	612
Exons	15678..15993		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19573	Strand	+
Start	2793	End	6628
Name	OJ990720_08.0103.C2.o1.gs	Method	GENSCAN
Start	2793	End	6628
GI	none	Score	.56
Exons	2793..3050, 3125..3235, 4196..4264, 5095..5140, 5637..5946, 6101..6297, 6348..6514, 6617..6628		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19573	Strand	+
Start	2793	End	6628
Name	OJ990720_08.0103.C2.o1.gp	Method	AAT/GAP
Start	4192	End	4657
GI	2428084	Score	843
Exons	4192..4657		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19574	Strand	+
Start	8527	End	12172
Name	OJ990720_08.0103.C2.o2.gp	Method	AAT/GAP
Start	8339	End	10524
GI	25224_1.R1084	Score	1370
Exons	8339..8703, 9989..10189, 10264..10375, 10476..10524		
GI Descrip.	'4426964/gb|AAD20634| 1.0e-59 (AF126255) purple acid phosphatase precursor [Anchusa officinalis]'		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19574	Strand	+
Start	8527	End	12172
Name	OJ990720_08.0103.C2.o2.gs	Method	GENSCAN
Start	8527	End	12172
GI	none	Score	.86
Exons	8527..8703, 9989..10189, 10264..10375, 10476..10702, 10828..10966, 11211..11431, 11752..11873, 12010..12172		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19574	Strand	+
Start	8527	End	12172
Name	OJ990720_08.0103.C2.o1.np	Method	AAT/NAP
Start	8530	End	12169
GI	4160280	Score	1690
Exons	8530..8703, 9989..10189, 10264..10375, 10476..10702, 10828..10966, 11211..11431, 11752..11873, 11974..12169		

GI Descrip. (AJ006224) purple acid phosphatase [Ipomoea batatas]

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19575	Strand	+
Start	18405	End	24459
Name	OJ990720_08.0103.C2.o3.np	Method	AAT/NAP
Start	18305	End	24242
GI	2429362	Score	107
Exons	18305..18603, 22837..23222, 23393..23524, 24071..24242		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19575	Strand	+
Start	18405	End	24459
Name	OJ990720_08.0103.C2.o4.gs	Method	GENSCAN
Start	18405	End	21502
GI	none	Score	.67
Exons	18405..18603, 18636..18826, 19248..19392, 19513..19650, 20103..20242, 20405..20452, 20724..20834, 21170..21291, 21328..21502		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19575	Strand	+
Start	18405	End	24459
Name	OJ990720_08.0103.C2.o5.gs	Method	GENSCAN
Start	22847	End	24198
GI	none	Score	.67
Exons	22847..22960, 23107..24198		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19575	Strand	+
Start	18405	End	24459
Name	OJ990720_08.0103.C2.o5.np	Method	AAT/NAP
Start	23278	End	24459
GI	5091523	Score	151
Exons	23278..23472, 23940..24205, 24246..24459		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19576	Strand	-
Start	11658	End	17662
Name	OJ990720_08.0103.C2.o2.np	Method	AAT/NAP
Start	11658	End	17662
GI	5803253	Score	642
Exons	11658..11741, 13161..13218, 13533..13666, 13775..14047, 14128..14225, 14326..14457, 14552..14667, 16867..17109, 17198..17325, 17578..17662		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19576	Strand	-
Start	11658	End	17662
Name	OJ990720_08.0103.C2.o3.gs	Method	GENSCAN
Start	12282	End	17025

GI	none	Score	.85
Exons	12282..12407, 12430..12616, 13117..13218, 13326..13412, 13533..13666, 13775..14047, 14080..14180, 14326..14457, 14950..14996, 16504..16685, 16836..16912, 16965..17025		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o4.tm	Method	TBLASTX:Maize
Start	2715	End	5257
GI	none	Score	35
Exons	2715..2750, 2768..2815, 2901..2939, 2963..3019, 2964..3020, 3012..3050, 3119..3238, 3124..3240, 3186..3248, 4174..4269, 4175..4270, 4193..4282, 5009..5095, 5011..5091, 5120..5146, 5145..5180, 5153..5182, 5210..5257		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o2.tc	Method	TBLASTX:Cress
Start	2922	End	4243
GI	none	Score	35
Exons	2922..2939, 2967..3050, 3009..3077, 3119..3238, 3124..3237, 4175..4243		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o3.ts	Method	TBLASTX:Soybean
Start	2970	End	4270
GI	none	Score	87
Exons	2970..3050, 3119..3238, 3124..3240, 4166..4270		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	8593	End	12049
GI	none	Score	120
Exons	8593..8706, 8601..8705, 9986..10189, 9988..10188, 10234..10374, 10261..10392, 10262..10375, 10269..10376, 10474..10509, 10475..10537, 10534..10698, 10535..10714, 10541..10714, 10828..10968, 10829..10969, 10830..10973, 10881..10973, 11186..11332, 11194..11331, 11210..11332, 11332..11445, 11333..11446, 11334..11450, 11755..11871, 11764..11862, 11766..11933, 11930..12049, 11971..12045		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o5.tm	Method	TBLASTX:Maize
Start	8598	End	10159
GI	none	Score	165
Exons	8598..8705, 8599..8706, 9986..10159, 9988..10158		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-

Start	21870	End	24459
Name	OJ990720_08.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	8599	End	12136
GI	none	Score	94
Exons	8599..8706, 8601..8705, 9986..10189, 9988..10080, 10234..10389, 10261..10383, 10499..10597, 10543..10596, 10580..10696, 10601..10711, 10828..10965, 11186..11431, 11201..11422, 11332..11424, 11752..11868, 11757..11873, 11930..12136, 11971..12135		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	10160	End	12198
GI	none	Score	57
Exons	10160..10189, 10160..10189, 10257..10379, 10257..10376, 10258..10377, 10261..10392, 10462..10689, 10474..10701, 10475..10702, 10475..10702, 10828..10968, 10828..10950, 10829..10963, 10881..10973, 11186..11431, 11200..11439, 11254..11445, 11751..11873, 11752..11871, 11752..11874, 11930..12145, 11947..12198, 11971..12171		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	11968	End	12150
GI	none	Score	219
Exons	11968..12150, 11972..12142, 11995..12147		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	13553	End	14594
GI	none	Score	85
Exons	13553..13648, 13578..13667, 13578..13667, 13768..13884, 13769..13906, 13775..13897, 13930..14016, 13932..14054, 13932..14048, 13945..14055, 14125..14283, 14128..14238, 14129..14260, 14313..14399, 14324..14458, 14369..14458, 14550..14594, 14551..14592		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	19326	End	20134
GI	none	Score	97
Exons	19326..19391, 19351..19401, 19509..19649, 19511..19648, 19514..19651, 20096..20134		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o3.tm	Method	TBLASTX:Maize
Start	20799	End	21227

GI	none	Score	54
Exons	20799..20834, 20801..20830, 20896..21093, 20909..21094, 20916..21104, 20917..21093, 21164..21226, 21164..21226, 21165..21227		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o4.np	Method	AAT/NAP
Start	21870	End	24459
GI	3153821	Score	86
Exons	21870..21904, 22996..23315, 23399..23675, 24433..24459		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o3.gp	Method	AAT/GAP
Start	22663	End	23025
GI	4714904	Score	655
Exons	22663..23025		

Seq. No.	9156	Seq. ID	OJ990720_08.0103.C2
Gene No.	19577	Strand	-
Start	21870	End	24459
Name	OJ990720_08.0103.C2.o4.gp	Method	AAT/GAP
Start	23622	End	23993
GI	4714903	Score	712
Exons	23622..23993		

Seq. No.	9157	Seq. ID	OJ990720_08.0103.C3
Gene No.	19578	Strand	+
Start	472	End	798
Name	OJ990720_08.0103.C3.o1.gs	Method	GENSCAN
Start	472	End	798
GI	none	Score	.75
Exons	472..798		

Seq. No.	9157	Seq. ID	OJ990720_08.0103.C3
Gene No.	19579	Strand	-
Start	4577	End	5377
Name	OJ990720_08.0103.C3.o2.gs	Method	GENSCAN
Start	4577	End	5377
GI	none	Score	.62
Exons	4577..5377		

Seq. No.	9157	Seq. ID	OJ990720_08.0103.C3
Gene No.	19580	Strand	-
Start	9079	End	10135
Name	OJ990720_08.0103.C3.o3.gs	Method	GENSCAN
Start	9079	End	9486
GI	none	Score	.54
Exons	9079..9486		

Seq. No.	9157	Seq. ID	OJ990720_08.0103.C3
Gene No.	19580	Strand	-

Start	9079	End	10135
Name	OJ990720_08.0103.C3.o2.np	Method	AAT/NAP
Start	9082	End	10135
GI	6815053	Score	749
Exons	9082..9486, 9989..10135		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9158	Seq. ID	OJ990720_08.0103.C4
Gene No.	19581	Strand	-
Start	1	End	2477
Name	OJ990720_08.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	2477
GI	6016874	Score	494
Exons	1..87, 521..766, 1232..1585, 1796..1963, 2351..2477		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	9158	Seq. ID	OJ990720_08.0103.C4
Gene No.	19581	Strand	-
Start	1	End	2477
Name	OJ990720_08.0103.C4.o1.gs	Method	GENSCAN
Start	118	End	392
GI	none	Score	.87
Exons	118..232, 238..392		

Seq. No.	9158	Seq. ID	OJ990720_08.0103.C4
Gene No.	19581	Strand	-
Start	1	End	2477
Name	OJ990720_08.0103.C4.o2.gs	Method	GENSCAN
Start	1212	End	2450
GI	none	Score	.75
Exons	1212..1708, 2351..2450		

Seq. No.	9158	Seq. ID	OJ990720_08.0103.C4
Gene No.	19581	Strand	-
Start	1	End	2477
Name	OJ990720_08.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	1296	End	1509
GI	none	Score	194
Exons	1296..1508, 1300..1509, 1303..1509		

Seq. No.	9158	Seq. ID	OJ990720_08.0103.C4
Gene No.	19581	Strand	-
Start	1	End	2477
Name	OJ990720_08.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	1510	End	2096
GI	none	Score	68
Exons	1510..1590, 1512..1556, 1773..2096, 1798..2049		

Seq. No.	9158	Seq. ID	OJ990720_08.0103.C4
Gene No.	19581	Strand	-
Start	1	End	2477
Name	OJ990720_08.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	2134	End	2420
GI	none	Score	82
Exons	2134..2232, 2134..2232, 2136..2234, 2241..2405, 2241..2420,		

2242..2415

Seq. No.	9159	Seq. ID	OJ990720_08.0103.C5
Gene No.	19582	Strand	+
Start	155	End	333
Name	OJ990720_08.0103.C5.o1.gp	Method	AAT/GAP
Start	155	End	333
GI	701857	Score	295
Exons	155..333		

Seq. No.	9160	Seq. ID	OJ990720_08.0103.C6
Gene No.	19583	Strand	+
Start	1	End	156
Name	OJ990720_08.0103.C6.o1.gp	Method	AAT/GAP
Start	1	End	156
GI	jC-osleLIB3474037g11a1	Score	296
Exons	1..156		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	9161	Seq. ID	OJ990720_08.0103.C7
Gene No.	19584	Strand	-
Start	1	End	1159
Name	OJ990720_08.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	1159
GI	100489	Score	270
Exons	1..558, 1116..1159		
GI Descrip.	transposase Tam3 - garden snapdragon transposon Tam3 gi|16064|emb|CAA38906| (X55078) Tam3-transposase [Antirrhinum majus] gi|3219237|dbj|BAA28817.1| (AB013982) transposase [Antirrhinum majus] gi|3219239|dbj|BAA28818.1| (AB013983) transposase [Antirrhinum majus] gi|3219241|dbj|BAA28819.1| (AB013984) transposase [Antirrhinum majus] gi|3219244|dbj|BAA28820.1| (AB013986) transpo		

Seq. No.	9161	Seq. ID	OJ990720_08.0103.C7
Gene No.	19584	Strand	-
Start	1	End	1159
Name	OJ990720_08.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	122	End	626
GI	none	Score	72
Exons	122..160, 153..221, 155..217, 158..235, 236..493, 237..503, 279..494, 507..560, 521..565, 585..626		

Seq. No.	9161	Seq. ID	OJ990720_08.0103.C7
Gene No.	19584	Strand	-
Start	1	End	1159
Name	OJ990720_08.0103.C7.o2.np	Method	AAT/NAP
Start	317	End	779
GI	6016874	Score	171
Exons	317..779		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19585	Strand	+

Start	108	End	264
Name	OJ990720_08.0103.C8.o1.gs	Method	GENSCAN
Start	108	End	264
GI	none	Score	.7
Exons	108..264		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19586	Strand	+
Start	1002	End	10187
Name	OJ990720_08.0103.C8.o2.gs	Method	GENSCAN
Start	1002	End	10187
GI	none	Score	.8
Exons	1002..1053, 1378..1465, 1964..2106, 2211..2360, 2425..2501, 3285..3426, 4320..4467, 4543..4618, 5288..5399, 5521..5594, 5898..6260, 7507..7722, 8038..8490, 8600..8656, 8729..8842, 8978..9319, 9457..9672, 9876..10187		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19586	Strand	+
Start	1002	End	10187
Name	OJ990720_08.0103.C8.o1.gp	Method	AAT/GAP
Start	1927	End	4451
GI	701857	Score	790
Exons	1927..2106, 3285..3426, 4321..4451		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19586	Strand	+
Start	1002	End	10187
Name	OJ990720_08.0103.C8.o2.gp	Method	AAT/GAP
Start	5544	End	6251
GI	none	Score	870
Exons	5544..5594, 5831..6251		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19586	Strand	+
Start	1002	End	10187
Name	OJ990720_08.0103.C8.o1.np	Method	AAT/NAP
Start	7496	End	8340
GI	5903093	Score	361
Exons	7496..7722, 8038..8340		
GI Descrip.	(AC008017) Similar to jacalin [Arabidopsis thaliana]		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19586	Strand	+
Start	1002	End	10187
Name	OJ990720_08.0103.C8.o2.np	Method	AAT/NAP
Start	8651	End	9276
GI	5903093	Score	299
Exons	8651..8842, 8978..9276		
GI Descrip.	(AC008017) Similar to jacalin [Arabidopsis thaliana]		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19587	Strand	+
Start	13496	End	15317
Name	OJ990720_08.0103.C8.o4.gs	Method	GENSCAN
Start	13496	End	15317
GI	none	Score	.66

Exons	13496..13786, 14239..14439, 14556..14623, 15278..15317		
Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19588	Strand	-
Start	10483	End	11431
Name	OJ990720_08.0103.C8.o2.tw	Method	TBLASTX:Wheat
Start	2066	End	4579
GI	none	Score	76
Exons	2066..2104, 2071..2103, 3285..3443, 3294..3425, 3295..3426, 4294..4500, 4318..4413, 4319..4495, 4334..4501, 4499..4579, 4535..4576		
Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19588	Strand	-
Start	10483	End	11431
Name	OJ990720_08.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	3284	End	5596
GI	none	Score	231
Exons	3284..3442, 3285..3431, 4300..4410, 4316..4495, 4320..4499, 4321..4500, 4334..4501, 4543..4620, 4544..4618, 4735..4788, 5278..5397, 5285..5398, 5288..5398, 5493..5594, 5501..5593, 5503..5595, 5504..5596		
Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19588	Strand	-
Start	10483	End	11431
Name	OJ990720_08.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	4408	End	5614
GI	none	Score	56
Exons	4408..4479, 4409..4453, 4514..4618, 4543..4620, 5272..5397, 5288..5398, 5495..5614, 5505..5594		
Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19588	Strand	-
Start	10483	End	11431
Name	OJ990720_08.0103.C8.o2.ts	Method	TBLASTX:Soybean
Start	7527	End	9950
GI	none	Score	103
Exons	7527..7691, 7527..7724, 7543..7734, 7544..7723, 7544..7750, 7588..7755, 8035..8094, 8665..8856, 8666..8845, 9544..9657, 9549..9656, 9873..9950		
Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19588	Strand	-
Start	10483	End	11431
Name	OJ990720_08.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	7548	End	10043
GI	none	Score	101
Exons	7548..7718, 7552..7737, 7588..7755, 8035..8094, 8101..8184, 8648..8809, 8651..8848, 8668..8847, 8959..9150, 8975..9145, 9544..9648, 9864..10043		
Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19588	Strand	-
Start	10483	End	11431
Name	OJ990720_08.0103.C8.o1.tw	Method	TBLASTX:Wheat
Start	8100	End	10112

GI	none	Score	83
Exons	8100..8186, 8101..8199, 8206..8280, 9020..9283, 9034..9231, 9950..10105, 9960..10112, 9960..10112		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19588	Strand	-
Start	10483	End	11431
Name	OJ990720_08.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	8113	End	10135
GI	4396051	Score	70
Exons	8113..8187, 8118..8183, 8167..8271, 8205..8264, 9059..9211, 9064..9207, 9957..10130, 9962..10135		
GI Descrip.	-		

Seq. No.	9162	Seq. ID	OJ990720_08.0103.C8
Gene No.	19588	Strand	-
Start	10483	End	11431
Name	OJ990720_08.0103.C8.o3.gs	Method	GENSCAN
Start	10483	End	11431
GI	none	Score	.73
Exons	10483..10770, 11327..11431		

Seq. No.	9163	Seq. ID	OJ990720_08.0103.C9
Gene No.	19589	Strand	-
Start	2219	End	3150
Name	OJ990720_08.0103.C9.o1.gs	Method	GENSCAN
Start	2219	End	3150
GI	none	Score	.67
Exons	2219..2349, 2360..2459, 3091..3150		

Seq. No.	9163	Seq. ID	OJ990720_08.0103.C9
Gene No.	19590	Strand	-
Start	3956	End	7038
Name	OJ990720_08.0103.C9.o2.gs	Method	GENSCAN
Start	3956	End	7038
GI	none	Score	.59
Exons	3956..4368, 4521..4803, 4910..4984, 5253..5290, 5304..5447, 5581..5718, 5761..6017, 6905..7038		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19591	Strand	+
Start	1275	End	17934
Name	OJ990720_08.0103.C10.o1.np	Method	AAT/NAP
Start	1275	End	7057
GI	2618686	Score	1080
Exons	1275..1474, 2704..3188, 3338..3465, 4432..4701, 5188..5453, 6185..6492, 6957..7057		
GI Descrip.	(AC002510) putative cytokinin oxidase [Arabidopsis thaliana]		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19591	Strand	+
Start	1275	End	17934
Name	OJ990720_08.0103.C10.o2.gs	Method	GENSCAN
Start	2579	End	16300
GI	none	Score	.64
Exons	2579..3188, 3338..3465, 4432..4701, 5188..5453, 6185..6412, 7173..7382, 11672..11757, 12362..12592, 14481..14549,		

14696..14750, 15280..15438, 15600..15936, 16118..16300

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19591	Strand	+
Start	1275	End	17934
Name	OJ990720_08.0103.C10.o2.np	Method	AAT/NAP
Start	12415	End	17934
GI	2341042	Score	717
Exons	12415..12585, 14036..14151, 14316..14419, 14472..14536, 14609..14750, 15567..15940, 17890..17934		
GI Descrip.	(AC000104) F19P19.26 [Arabidopsis thaliana]		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19591	Strand	+
Start	1275	End	17934
Name	OJ990720_08.0103.C10.o2.gp	Method	AAT/GAP
Start	15370	End	15927
GI	LIB3474-006-P1-K1-E2	Score	764
Exons	15370..15438, 15567..15927		
GI Descrip.	'2341042/gb|AAB70446| 8.0e-25 (AC000104) F19P19.26 [Arabidopsis thaliana]'		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o5.ts	Method	TBLASTX:Soybean
Start	2981	End	3468
GI	none	Score	242
Exons	2981..3202, 3058..3189, 3324..3467, 3334..3468		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o2.tc	Method	TBLASTX:Cress
Start	3014	End	4599
GI	none	Score	51
Exons	3014..3052, 3052..3189, 3053..3193, 3304..3375, 3312..3365, 3420..3467, 3421..3468, 4404..4505, 4429..4503, 4480..4599, 4506..4595		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	3312	End	5226
GI	none	Score	73
Exons	3312..3389, 3324..3467, 3325..3468, 4389..4502, 4429..4503, 4432..4512, 4509..4724, 4510..4701, 5185..5226		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o3.ts	Method	TBLASTX:Soybean
Start	4431	End	4701
GI	none	Score	90
Exons	4431..4505, 4432..4503, 4519..4701, 4521..4697		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o2.ts	Method	TBLASTX:Soybean
Start	5185	End	6274
GI	none	Score	343
Exons	5185..5418, 5220..5417, 5418..5465, 5419..5454, 6182..6274, 6183..6272		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o3.tc	Method	TBLASTX:Cress
Start	5185	End	5457
GI	none	Score	215
Exons	5185..5400, 5253..5393, 5395..5457		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o3.tm	Method	TBLASTX:Maize
Start	5226	End	5343
GI	none	Score	213
Exons	5226..5342, 5227..5343		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	5343	End	6508
GI	none	Score	109
Exons	5343..5417, 5344..5418, 5412..5459, 5413..5454, 6182..6265, 6183..6290, 6282..6410, 6282..6392, 6284..6409, 6379..6504, 6380..6508, 6408..6494		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	6173	End	6500
GI	none	Score	75
Exons	6173..6256, 6183..6260, 6281..6484, 6282..6500		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o6.ts	Method	TBLASTX:Soybean
Start	6291	End	6485
GI	none	Score	210
Exons	6291..6485, 6293..6484		

Seq. No.	9164	Seq. ID	OJ990720_08.0103.C10
Gene No.	19592	Strand	-
Start	17259	End	17874
Name	OJ990720_08.0103.C10.o5.tc	Method	TBLASTX:Cress
Start	14038	End	14654
GI	none	Score	118

Exons 14038..14148, 14039..14152, 14314..14403, 14317..14394, 14331..14408, 14480..14548, 14480..14533, 14626..14652, 14628..14654

Seq. No. 9164 Seq. ID OJ990720_08.0103.C10
Gene No. 19592 Strand -
Start 17259 End 17874
Name OJ990720_08.0103.C10.o5.tm Method TBLASTX:Maize
Start 14314 End 14670
GI none Score 81
Exons 14314..14373, 14324..14380, 14479..14568, 14480..14548, 14626..14670, 14628..14669

Seq. No. 9164 Seq. ID OJ990720_08.0103.C10
Gene No. 19592 Strand -
Start 17259 End 17874
Name OJ990720_08.0103.C10.o4.ts Method TBLASTX:Soybean
Start 14341 End 14729
GI none Score 96
Exons 14341..14394, 14342..14404, 14343..14405, 14475..14546, 14479..14547, 14480..14548, 14604..14669, 14626..14706, 14628..14729

Seq. No. 9164 Seq. ID OJ990720_08.0103.C10
Gene No. 19592 Strand -
Start 17259 End 17874
Name OJ990720_08.0103.C10.o1.ts Method TBLASTX:Soybean
Start 15269 End 15720
GI none Score 226
Exons 15269..15445, 15278..15433, 15558..15719, 15565..15720

Seq. No. 9164 Seq. ID OJ990720_08.0103.C10
Gene No. 19592 Strand -
Start 17259 End 17874
Name OJ990720_08.0103.C10.o4.tc Method TBLASTX:Cress
Start 15565 End 17041
GI none Score 199
Exons 15565..15738, 15573..15749, 15573..15737, 16952..17041

Seq. No. 9164 Seq. ID OJ990720_08.0103.C10
Gene No. 19592 Strand -
Start 17259 End 17874
Name OJ990720_08.0103.C10.o4.tm Method TBLASTX:Maize
Start 15587 End 15853
GI none Score 53
Exons 15587..15616, 15588..15638, 15649..15732, 15651..15734, 15744..15851, 15778..15852, 15779..15853, 15800..15853

Seq. No. 9164 Seq. ID OJ990720_08.0103.C10
Gene No. 19592 Strand -
Start 17259 End 17874
Name OJ990720_08.0103.C10.o3.gs Method GENSCAN
Start 17259 End 17874
GI none Score .72
Exons 17259..17349, 17705..17874

Seq. No. 9165 Seq. ID OJ990720_08.0103.C11

Gene No.	19593	Strand	+
Start	102	End	2879
Name	OJ990720_08.0103.C11.o1.gs	Method	GENSCAN
Start	102	End	2879
GI	none	Score	.62
Exons	102..293, 1042..1545, 1842..2879		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19593	Strand	+
Start	102	End	2879
Name	OJ990720_08.0103.C11.o1.gp	Method	AAT/GAP
Start	1694	End	2216
GI	uC-osflcyp110c01b1	Score	1030
Exons	1694..2216		
GI Descrip.	'2341042/gb|AAB70446| 8.0e-10 (AC000104) F19P19.26 [Arabidopsis thaliana]'		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19594	Strand	-
Start	2572	End	3091
Name	OJ990720_08.0103.C11.o2.gp	Method	AAT/GAP
Start	2572	End	3091
GI	none	Score	989
Exons	2572..3091		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030
Name	OJ990720_08.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	1721	End	3011
GI	none	Score	118
Exons	1721..1855, 1725..1946, 1797..1928, 1896..2039, 1928..2026, 1930..2043, 2007..2108, 2026..2094, 2085..2366, 2099..2311, 2100..2327, 2107..2370, 2107..2328, 2361..2597, 2363..2599, 2400..2612, 2646..2792, 2647..2835, 2648..2788, 2855..2881, 2856..2900, 2976..3011		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030
Name	OJ990720_08.0103.C11.o3.gp	Method	AAT/GAP
Start	3394	End	3776
GI	none	Score	685
Exons	3394..3776		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030
Name	OJ990720_08.0103.C11.o1.np	Method	AAT/NAP
Start	3639	End	5030
GI	3063469	Score	477
Exons	3639..3839, 4008..4181, 4219..5030		
GI Descrip.	(AC003981) F22O13.31 [Arabidopsis thaliana]		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030

Name	OJ990720_08.0103.C11.o4.tm	Method	TBLASTX:Maize
Start	3907	End	4152
GI	none	Score	55
Exons	3907..3960, 3930..3968, 3934..4134, 3963..4151, 3971..4147, 4003..4152, 4044..4151		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030
Name	OJ990720_08.0103.C11.o4.gp	Method	AAT/GAP
Start	4173	End	4577
GI	65230_1.R1084	Score	656
Exons	4173..4577		
GI Descrip.	'3063469 6.0e-09 (AC003981) F22O13.31 [Arabidopsis thaliana]'		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030
Name	OJ990720_08.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	4215	End	4560
GI	none	Score	196
Exons	4215..4556, 4217..4555, 4287..4559, 4330..4560, 4348..4560		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030
Name	OJ990720_08.0103.C11.o3.tm	Method	TBLASTX:Maize
Start	4223	End	4487
GI	none	Score	68
Exons	4223..4294, 4224..4292, 4293..4487, 4302..4484, 4307..4486		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030
Name	OJ990720_08.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	4260	End	4529
GI	none	Score	114
Exons	4260..4529, 4287..4529		

Seq. No.	9165	Seq. ID	OJ990720_08.0103.C11
Gene No.	19595	Strand	-
Start	3394	End	5030
Name	OJ990720_08.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	4558	End	4803
GI	none	Score	320
Exons	4558..4803, 4560..4802		

Seq. No.	9166	Seq. ID	OJ990910_07.0103.C1
Gene No.	19596	Strand	+
Start	279	End	372
Name	OJ990910_07.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	13	End	353
GI	none	Score	328
Exons	13..261, 14..286, 15..260, 18..317, 261..350, 264..353		

Seq. No.	9166	Seq. ID	OJ990910_07.0103.C1
Gene No.	19596	Strand	+

Start	279	End	372
Name	OJ990910_07.0103.C1.o1.np	Method	AAT/NAP
Start	279	End	372
GI	1262721	Score	103
Exons	279..372		
GI Descrip.	(D17510) ORF40e [Pinus thunbergii]		

Seq. No.	9167	Seq. ID	OJ990910_07.0103.C2
Gene No.	19597	Strand	+
Start	136	End	4892
Name	OJ990910_07.0103.C2.o1.gs	Method	GENSCAN
Start	136	End	4892
GI	none	Score	.87
Exons	136..243, 737..778, 3286..3363, 3631..3817, 3914..4057, 4765..4892		

Seq. No.	9167	Seq. ID	OJ990910_07.0103.C2
Gene No.	19597	Strand	+
Start	136	End	4892
Name	OJ990910_07.0103.C2.o1.np	Method	AAT/NAP
Start	3538	End	4373
GI	6539588	Score	117
Exons	3538..3825, 3979..4193, 4227..4373		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9167	Seq. ID	OJ990910_07.0103.C2
Gene No.	19598	Strand	+
Start	5617	End	8766
Name	OJ990910_07.0103.C2.o2.gs	Method	GENSCAN
Start	5617	End	8766
GI	none	Score	.64
Exons	5617..5698, 5778..5907, 5937..6164, 8673..8766		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19599	Strand	+
Start	2206	End	2427
Name	OJ990910_07.0103.C3.o1.gp	Method	AAT/GAP
Start	2206	End	2427
GI	5867_1.R1084	Score	112
Exons	2206..2283, 2397..2427		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19600	Strand	+
Start	4614	End	4666
Name	OJ990910_07.0103.C3.o2.gp	Method	AAT/GAP
Start	4614	End	4666
GI	uC-osflcyp029a12b1	Score	78
Exons	4614..4666		
GI Descrip.	'3386614 2.0e-47 (AC004665) putative transcription factor SF3 [Arabidopsis thaliana]'		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19601	Strand	+
Start	4800	End	6323
Name	OJ990910_07.0103.C3.o3.gs	Method	GENSCAN
Start	4800	End	6323
GI	none	Score	1
Exons	4800..5879, 5886..6323		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19601	Strand	+
Start	4800	End	6323
Name	OJ990910_07.0103.C3.o1.np	Method	AAT/NAP
Start	4815	End	6287
GI	2501494	Score	818
Exons	4815..6287		
GI Descrip.	FLAVONOL 3-O-GLUCOSYLTRANSFERASE 5 (UDP-GLUCOSE FLAVONOID 3-O-GLUCOSYLTRANSFERASE 5) gi|542015|pir||S41951 UTP-glucose glucosyltransferase - cassava gi|453249|emb|CAA54612| (X77462) UTP-glucose glucosyltransferase [Manihot esculenta]		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19602	Strand	-
Start	176	End	261
Name	OJ990910_07.0103.C3.o1.gs	Method	GENSCAN
Start	176	End	261
GI	none	Score	.67
Exons	176..261		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19603	Strand	-
Start	812	End	2166
Name	OJ990910_07.0103.C3.o2.gs	Method	GENSCAN
Start	812	End	2166
GI	none	Score	.77
Exons	812..933, 2163..2166		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19604	Strand	-
Start	6922	End	7778
Name	OJ990910_07.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	4848	End	6020
GI	none	Score	89
Exons	4848..4958, 5022..5078, 5151..5312, 5361..5477, 5525..5605, 5526..5585, 5577..5789, 5597..5758, 5781..6020, 5813..6019		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19604	Strand	-
Start	6922	End	7778
Name	OJ990910_07.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	5451	End	6125
GI	none	Score	53
Exons	5451..5585, 5567..5758, 5568..5756, 5781..6077, 5813..6022, 6084..6125		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19604	Strand	-

Start	6922	End	7778
Name	OJ990910_07.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	5526	End	6119
GI	none	Score	41
Exons	5526..5555, 5589..5741, 5597..5752, 5781..6023, 5813..6013, 6060..6119		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19604	Strand	-
Start	6922	End	7778
Name	OJ990910_07.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	5675	End	6023
GI	none	Score	71
Exons	5675..5728, 5679..5732, 5816..5998, 5817..6023		

Seq. No.	9168	Seq. ID	OJ990910_07.0103.C3
Gene No.	19604	Strand	-
Start	6922	End	7778
Name	OJ990910_07.0103.C3.o4.gs	Method	GENSCAN
Start	6922	End	7778
GI	none	Score	.92
Exons	6922..7205, 7334..7568, 7605..7778		

Seq. No.	9169	Seq. ID	OJ990910_07.0103.C4
Gene No.	19605	Strand	+
Start	306	End	363
Name	OJ990910_07.0103.C4.o1.np	Method	AAT/NAP
Start	306	End	363
GI	5042454	Score	70
Exons	306..363		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9169	Seq. ID	OJ990910_07.0103.C4
Gene No.	19606	Strand	+
Start	310	End	9033
Name	OJ990910_07.0103.C4.o1.gs	Method	GENSCAN
Start	310	End	1599
GI	none	Score	.71
Exons	310..1599		

Seq. No.	9169	Seq. ID	OJ990910_07.0103.C4
Gene No.	19606	Strand	+
Start	310	End	9033
Name	OJ990910_07.0103.C4.o2.np	Method	AAT/NAP
Start	410	End	4672
GI	5042454	Score	1234
Exons	410..517, 571..1699, 1746..2486, 2642..2805, 2838..2959, 3263..3362, 4047..4212, 4612..4672		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9169	Seq. ID	OJ990910_07.0103.C4
Gene No.	19606	Strand	+
Start	310	End	9033
Name	OJ990910_07.0103.C4.o3.gs	Method	GENSCAN
Start	3259	End	9033
GI	none	Score	.4
Exons	3259..3362, 4176..4218, 4619..4790, 7199..7299, 7529..7720,		

8752..9033

Seq. No.	9169	Seq. ID	OJ990910_07.0103.C4
Gene No.	19607	Strand	-
Start	2225	End	2978
Name	OJ990910_07.0103.C4.o2.gs	Method	GENSCAN
Start	2225	End	2978
GI	none	Score	.48
Exons	2225..2418, 2427..2919, 2925..2978		

Seq. No.	9169	Seq. ID	OJ990910_07.0103.C4
Gene No.	19608	Strand	-
Start	4830	End	7201
Name	OJ990910_07.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1456	End	1599
GI	none	Score	185
Exons	1456..1599, 1461..1595		

Seq. No.	9169	Seq. ID	OJ990910_07.0103.C4
Gene No.	19608	Strand	-
Start	4830	End	7201
Name	OJ990910_07.0103.C4.o3.np	Method	AAT/NAP
Start	4830	End	7201
GI	133435	Score	219
Exons	4830..4885, 6955..7201		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi|66983|pir||RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi|11972|emb|CAA33987| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi|226690|prf||1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19609	Strand	+
Start	194	End	834
Name	OJ990910_07.0103.C5.o1.gs	Method	GENSCAN
Start	194	End	834
GI	none	Score	.89
Exons	194..834		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19610	Strand	+
Start	9451	End	9941
Name	OJ990910_07.0103.C5.o1.gp	Method	AAT/GAP
Start	9451	End	9941
GI	2798798	Score	767
Exons	9451..9941		
GI Descrip.	58067/emb|X52325|ARBLSKP 1.0e-20 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	175	End	2485
GI	none	Score	77
Exons	175..300, 175..576, 221..460, 512..727, 634..729, 1626..1778, 1630..1764, 2361..2462, 2361..2468, 2366..2485		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	181	End	559
GI	none	Score	233
Exons	181..558, 221..559		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	190	End	370
GI	none	Score	123
Exons	190..300, 190..369, 221..370		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o1.np	Method	AAT/NAP
Start	202	End	4708
GI	6579208	Score	792
Exons	202..816, 1626..1744, 2353..2551, 4016..4113, 4481..4708		
GI Descrip.	(AC011438) T23G18.9 [Arabidopsis thaliana]		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	572	End	823
GI	none	Score	329
Exons	572..823, 634..822		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o2.gs	Method	GENSCAN
Start	1596	End	11296
GI	none	Score	.67
Exons	1596..1756, 2365..2551, 4016..4113, 4397..4711, 4814..5192, 8572..8672, 8815..8918, 11100..11296		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	4013	End	4713
GI	none	Score	81
Exons	4013..4114, 4017..4145, 4479..4712, 4480..4713		

Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	4470	End	4713
GI	none	Score	245

Exons	4470..4712, 4480..4713		
Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o2.np	Method	AAT/NAP
Start	7335	End	8835
GI	5852093	Score	33
Exons	7335..7428, 8787..8835		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	9829	End	11323
GI	none	Score	64
Exons	9829..9912, 9855..9914, 9875..9913, 9878..9916, 11096..11323, 11099..11323		
Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o3.np	Method	AAT/NAP
Start	9862	End	11354
GI	6850858	Score	262
Exons	9862..9913, 11100..11354		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		
Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o3.tc	Method	TBLASTX:Cress
Start	11099	End	11324
GI	none	Score	63
Exons	11099..11323, 11100..11174, 11253..11324		
Seq. No.	9170	Seq. ID	OJ990910_07.0103.C5
Gene No.	19611	Strand	-
Start	202	End	11354
Name	OJ990910_07.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	11099	End	11323
GI	none	Score	78
Exons	11099..11323, 11100..11186, 11219..11323		
Seq. No.	9171	Seq. ID	OJ990910_07.0103.C7
Gene No.	19612	Strand	-
Start	343	End	612
Name	OJ990910_07.0103.C7.o1.np	Method	AAT/NAP
Start	343	End	612
GI	6069657	Score	289
Exons	343..612		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	9171	Seq. ID	OJ990910_07.0103.C7
Gene No.	19613	Strand	-
Start	542	End	602

Name	OJ990910_07.0103.C7.o1.gs	Method	GENSCAN
Start	542	End	602
GI	none	Score	.54
Exons	542..602		

Seq. No.	9172	Seq. ID	OJ990910_07.0103.C8
Gene No.	19614	Strand	-
Start	1	End	2933
Name	OJ990910_07.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	2933
GI	2191144	Score	593
Exons	1..407, 467..710, 816..1007, 1046..1133, 2260..2346, 2461..2933		
GI Descrip.	(AF007269) A_IG002N01.24 gene product [Arabidopsis thaliana]		

Seq. No.	9172	Seq. ID	OJ990910_07.0103.C8
Gene No.	19614	Strand	-
Start	1	End	2933
Name	OJ990910_07.0103.C8.o1.gs	Method	GENSCAN
Start	12	End	2889
GI	none	Score	.7
Exons	12..399, 1032..1133, 1224..1320, 1502..1552, 1692..1801, 2260..2346, 2461..2889		

Seq. No.	9172	Seq. ID	OJ990910_07.0103.C8
Gene No.	19614	Strand	-
Start	1	End	2933
Name	OJ990910_07.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	15	End	204
GI	none	Score	149
Exons	15..143, 19..204, 24..191, 41..202		

Seq. No.	9172	Seq. ID	OJ990910_07.0103.C8
Gene No.	19614	Strand	-
Start	1	End	2933
Name	OJ990910_07.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	113	End	341
GI	none	Score	134
Exons	113..337, 115..336, 183..341		

Seq. No.	9172	Seq. ID	OJ990910_07.0103.C8
Gene No.	19614	Strand	-
Start	1	End	2933
Name	OJ990910_07.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	222	End	597
GI	none	Score	167
Exons	222..395, 223..423, 225..395, 230..400, 507..596, 514..597		

Seq. No.	9172	Seq. ID	OJ990910_07.0103.C8
Gene No.	19614	Strand	-
Start	1	End	2933
Name	OJ990910_07.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	927	End	1549
GI	none	Score	61
Exons	927..1001, 928..1002, 1075..1122, 1080..1142, 1221..1379, 1225..1380, 1504..1548, 1508..1549		

Seq. No.	9173	Seq. ID	OJ990910_07.0103.C9

Gene No.	19615	Strand	+
Start	1	End	2003
Name	OJ990910_07.0103.C9.o1.np	Method	AAT/NAP
Start	1	End	1195
GI	5852172	Score	98
Exons	1..64, 1029..1195		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	9173	Seq. ID	OJ990910_07.0103.C9
Gene No.	19615	Strand	+
Start	1	End	2003
Name	OJ990910_07.0103.C9.o1.gs	Method	GENSCAN
Start	122	End	2003
GI	none	Score	.51
Exons	122..371, 1120..1286, 1916..2003		

Seq. No.	9174	Seq. ID	OJ990910_07.0103.C11
Gene No.	19616	Strand	-
Start	1558	End	2635
Name	OJ990910_07.0103.C11.o1.gs	Method	GENSCAN
Start	1558	End	2635
GI	none	Score	.41
Exons	1558..1756, 2466..2635		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19617	Strand	+
Start	3034	End	5374
Name	OJ990910_07.0103.C12.o1.gp	Method	AAT/GAP
Start	3034	End	5374
GI	1631793	Score	774
Exons	3034..3099, 4254..4330, 5109..5374		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19618	Strand	+
Start	5384	End	7312
Name	OJ990910_07.0103.C12.o1.np	Method	AAT/NAP
Start	5384	End	7312
GI	6692098	Score	1442
Exons	5384..7312		
GI Descrip.	(AC007764) F22C12.10 [Arabidopsis thaliana]		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19618	Strand	+
Start	5384	End	7312
Name	OJ990910_07.0103.C12.o2.gp	Method	AAT/GAP
Start	5632	End	6153
GI	none	Score	1040
Exons	5632..6153		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19618	Strand	+
Start	5384	End	7312
Name	OJ990910_07.0103.C12.o3.gp	Method	AAT/GAP
Start	6610	End	7016
GI	58105_1.R1084	Score	791
Exons	6610..7016		
GI Descrip.	'4586107/emb|CAB40943.1| 6.0e-34 (AL049638) putative disease		

resistance protein [Arabidopsis thaliana]'

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o2.np	Method	AAT/NAP
Start	4652	End	11175
GI	2191144	Score	650
Exons	4652..4691, 8189..8597, 10639..10827, 11160..11175		
GI Descrip.	(AF007269) A_IG002N01.24 gene product [Arabidopsis thaliana]		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o4.tm	Method	TBLASTX:Maize
Start	5228	End	5781
GI	none	Score	59
Exons	5228..5278, 5232..5267, 5237..5284, 5299..5490, 5300..5338, 5307..5456, 5375..5491, 5502..5579, 5506..5580, 5506..5577, 5507..5581, 5571..5708, 5581..5781, 5581..5781		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	6103	End	7056
GI	none	Score	902
Exons	6103..6501, 6104..6709, 6104..6658, 6164..6637, 6181..6471, 6181..6336, 6320..6715, 6528..6683, 6534..6701, 6538..6672, 6541..6672, 6553..6672, 6553..6633, 6713..6931, 6719..6871, 6719..6937, 6719..6934, 6719..6934, 6719..6934, 6772..6927, 6772..6921, 6772..6924, 6773..6931, 6775..6930, 6790..6933, 6790..6930, 6848..6940, 6971..7021, 6971..7021, 6977..7021, 7045..7056		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	6146	End	6958
GI	none	Score	1266
Exons	6146..6958, 6152..6340, 6172..6501, 6175..6372, 6244..6375, 6512..6559, 6547..6672, 6556..6672, 6559..6672, 6739..6888, 6772..6936, 6775..6927, 6775..6921, 6778..6921		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	6163	End	7114
GI	none	Score	572
Exons	6163..6354, 6164..6634, 6164..6328, 6170..6355, 6175..6357, 6178..6321, 6178..6258, 6178..6312, 6181..6462, 6184..6375, 6185..6964, 6185..6943, 6410..6460, 6772..6960, 6977..7114, 6985..7059		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12

Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o4.gp	Method	AAT/GAP
Start	7012	End	7700
GI	none	Score	1255
Exons	7012..7700		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o3.tm	Method	TBLASTX:Maize
Start	8086	End	8465
GI	none	Score	56
Exons	8086..8142, 8087..8143, 8149..8241, 8151..8228, 8200..8373, 8325..8465, 8340..8465		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o2.gs	Method	GENSCAN
Start	8154	End	10827
GI	none	Score	95
Exons	8154..8597, 8825..8903, 10286..10449, 10639..10827		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o2.ts	Method	TBLASTX:Soybean
Start	8317	End	8927
GI	5752490	Score	218
Exons	8317..8598, 8325..8603, 8825..8923, 8832..8927		
GI Descrip.	2191144 4.0e-33 (AF007269) A_IG002N01.24 gene product [Arabidopsis thaliana]		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o5.gp	Method	AAT/GAP
Start	8383	End	9003
GI	LIB3433-029-P1-K1-B1	Score	741
Exons	8383..8597, 8825..9003		
GI Descrip.	'231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]'		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o2.tm	Method	TBLASTX:Maize
Start	9956	End	10835
GI	none	Score	65
Exons	9956..10018, 9958..10014, 10275..10451, 10276..10452, 10276..10452, 10635..10835, 10639..10827		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12

Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o3.ts	Method	TBLASTX:Soybean
Start	10283	End	10452
GI	none	Score	102
Exons	10283..10390, 10283..10450, 10285..10452		

Seq. No.	9175	Seq. ID	OJ990910_07.0103.C12
Gene No.	19619	Strand	-
Start	4652	End	11175
Name	OJ990910_07.0103.C12.o4.ts	Method	TBLASTX:Soybean
Start	10657	End	10827
GI	none	Score	97
Exons	10657..10827, 10658..10801		

Seq. No.	9176	Seq. ID	OJ990910_07.0103.C14
Gene No.	19620	Strand	-
Start	2234	End	9988
Name	OJ990910_07.0103.C14.o1.gs	Method	GENSCAN
Start	2234	End	5996
GI	none	Score	.7
Exons	2234..2343, 4328..4386, 4764..5082, 5753..5996		

Seq. No.	9176	Seq. ID	OJ990910_07.0103.C14
Gene No.	19620	Strand	-
Start	2234	End	9988
Name	OJ990910_07.0103.C14.o1.np	Method	AAT/NAP
Start	2477	End	9988
GI	71608	Score	50
Exons	2477..2498, 4778..5070, 5735..5873, 9968..9988		
GI Descrip.	myosin heavy chain IB - Acanthamoeba castellanii		

Seq. No.	9176	Seq. ID	OJ990910_07.0103.C14
Gene No.	19620	Strand	-
Start	2234	End	9988
Name	OJ990910_07.0103.C14.o1.tc	Method	TBLASTX:Cress
Start	4760	End	5825
GI	none	Score	53
Exons	4760..5083, 4764..4886, 4766..5071, 4965..5084, 5751..5825		

Seq. No.	9176	Seq. ID	OJ990910_07.0103.C14
Gene No.	19620	Strand	-
Start	2234	End	9988
Name	OJ990910_07.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	4760	End	5789
GI	none	Score	342
Exons	4760..5083, 4763..5083, 4839..5093, 5751..5789		

Seq. No.	9176	Seq. ID	OJ990910_07.0103.C14
Gene No.	19620	Strand	-
Start	2234	End	9988
Name	OJ990910_07.0103.C14.o1.ts	Method	TBLASTX:Soybean
Start	4817	End	5862
GI	none	Score	143
Exons	4817..5083, 4841..5083, 4848..5084, 4935..5084, 4936..5097, 5749..5862, 5751..5825		

Seq. No.	9176	Seq. ID	OJ990910_07.0103.C14
Gene No.	19620	Strand	-
Start	2234	End	9988
Name	OJ990910_07.0103.C14.o2.gs	Method	GENSCAN
Start	9285	End	9498
GI	none	Score	.89
Exons	9285..9355, 9426..9498		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19621	Strand	+
Start	260	End	3293
Name	OJ990910_07.0103.C15.o1.gs	Method	GENSCAN
Start	260	End	2761
GI	none	Score	.91
Exons	260..2198, 2613..2761		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19621	Strand	+
Start	260	End	3293
Name	OJ990910_07.0103.C15.o1.np	Method	AAT/NAP
Start	260	End	3293
GI	2505884	Score	1306
Exons	260..2079, 3179..3293		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19622	Strand	+
Start	14806	End	14906
Name	OJ990910_07.0103.C15.o3.np	Method	AAT/NAP
Start	14806	End	14906
GI	6069657	Score	102
Exons	14806..14906		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o5.ts	Method	TBLASTX:Soybean
Start	256	End	529
GI	none	Score	204
Exons	256..351, 257..529		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o2.gs	Method	GENSCAN
Start	3399	End	13456
GI	none	Score	.61
Exons	3399..3527, 6775..6931, 6999..7155, 8967..9187, 9410..9593, 9805..9921, 9969..10267, 10698..10780, 11157..11359, 11504..12605, 13055..13456		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o1.gp	Method	AAT/GAP
Start	7412	End	7544

GI	LIB3474-009-P1-K1-F11	Score	221
Exons	7412..7544		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o2.np	Method	AAT/NAP
Start	8272	End	12575
GI	2586082	Score	4550
Exons	8272..12575		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	8281	End	8931
GI	none	Score	36
Exons	8281..8499, 8429..8500, 8530..8931, 8582..8731, 8792..8929		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o3.tc	Method	TBLASTX:Cress
Start	8296	End	8940
GI	none	Score	64
Exons	8296..8490, 8530..8646, 8531..8617, 8656..8727, 8761..8940		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	8323	End	8919
GI	none	Score	57
Exons	8323..8451, 8323..8919, 8429..8731, 8768..8917		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o1.tw	Method	TBLASTX:Wheat
Start	8683	End	9120
GI	none	Score	181
Exons	8683..9120, 8684..9115, 8998..9117		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o4.tc	Method	TBLASTX:Cress
Start	8950	End	9234
GI	none	Score	210
Exons	8950..9234		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456

Name	OJ990910_07.0103.C15.o2.tm	Method	TBLASTX:Maize
Start	9055	End	9501
GI	none	Score	67
Exons	9055..9501, 9101..9271, 9326..9481		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o3.tw	Method	TBLASTX:Wheat
Start	9121	End	9634
GI	none	Score	142
Exons	9121..9297, 9289..9633, 9341..9634		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o2.ts	Method	TBLASTX:Soybean
Start	9298	End	9802
GI	5509260	Score	124
Exons	9298..9717, 9326..9475, 9521..9679, 9719..9802		
GI Descrip.	-		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o2.tc	Method	TBLASTX:Cress
Start	9415	End	9697
GI	none	Score	158
Exons	9415..9684, 9416..9685, 9584..9697		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o6.tm	Method	TBLASTX:Maize
Start	9505	End	9717
GI	none	Score	77
Exons	9505..9717, 9545..9688		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o4.tw	Method	TBLASTX:Wheat
Start	10330	End	10685
GI	none	Score	76
Exons	10330..10554, 10353..10685		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	10342	End	10806
GI	none	Score	111
Exons	10342..10383, 10383..10805, 10525..10806		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456

Name	OJ990910_07.0103.C15.o4.tm	Method	TBLASTX:Maize
Start	10356	End	10692
GI	none	Score	93
Exons	10356..10685, 10363..10692		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o3.ts	Method	TBLASTX:Soybean
Start	10383	End	10793
GI	none	Score	254
Exons	10383..10793		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o4.ts	Method	TBLASTX:Soybean
Start	10800	End	11213
GI	none	Score	78
Exons	10800..10970, 10995..11102, 11124..11213		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o2.tw	Method	TBLASTX:Wheat
Start	11293	End	11667
GI	none	Score	194
Exons	11293..11667, 11295..11633		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o5.tm	Method	TBLASTX:Maize
Start	11295	End	11588
GI	none	Score	245
Exons	11295..11588		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o5.tw	Method	TBLASTX:Wheat
Start	11937	End	12239
GI	none	Score	214
Exons	11937..12239		

Seq. No.	9177	Seq. ID	OJ990910_07.0103.C15
Gene No.	19623	Strand	-
Start	3399	End	13456
Name	OJ990910_07.0103.C15.o3.tm	Method	TBLASTX:Maize
Start	12060	End	12497
GI	none	Score	126
Exons	12060..12362, 12063..12347, 12064..12363, 12334..12486, 12372..12497		

Seq. No.	9178	Seq. ID	OJ990910_07.0103.C16
Gene No.	19624	Strand	+
Start	1	End	4075

Name	OJ990910_07.0103.C16.o1.np	Method	AAT/NAP
Start	1	End	4075
GI	1076211	Score	108
Exons	1..24, 186..655, 1245..1325, 3658..3784, 3854..4075		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	9178	Seq. ID	OJ990910_07.0103.C16
Gene No.	19624	Strand	+
Start	1	End	4075
Name	OJ990910_07.0103.C16.o1.gs	Method	GENSCAN
Start	62	End	2823
GI	none	Score	.52
Exons	62..122, 359..706, 1378..1467, 2663..2823		

Seq. No.	9178	Seq. ID	OJ990910_07.0103.C16
Gene No.	19625	Strand	+
Start	4238	End	6325
Name	OJ990910_07.0103.C16.o2.gs	Method	GENSCAN
Start	4238	End	6325
GI	none	Score	.83
Exons	4238..6325		

Seq. No.	9178	Seq. ID	OJ990910_07.0103.C16
Gene No.	19626	Strand	-
Start	6124	End	6327
Name	OJ990910_07.0103.C16.o2.tm	Method	TBLASTX:Maize
Start	4734	End	5029
GI	none	Score	183
Exons	4734..4994, 4734..4964, 4735..4989, 4736..4999, 4991..5029, 4993..5028		

Seq. No.	9178	Seq. ID	OJ990910_07.0103.C16
Gene No.	19626	Strand	-
Start	6124	End	6327
Name	OJ990910_07.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	5123	End	5861
GI	none	Score	232
Exons	5123..5395, 5123..5392, 5146..5397, 5382..5495, 5383..5466, 5397..5570, 5405..5599, 5405..5599, 5609..5761, 5639..5752, 5648..5854, 5700..5861, 5718..5798, 5727..5855		

Seq. No.	9178	Seq. ID	OJ990910_07.0103.C16
Gene No.	19626	Strand	-
Start	6124	End	6327
Name	OJ990910_07.0103.C16.o3.tm	Method	TBLASTX:Maize
Start	6058	End	6327
GI	none	Score	411
Exons	6058..6327, 6059..6322, 6064..6324, 6164..6298		

Seq. No.	9178	Seq. ID	OJ990910_07.0103.C16
Gene No.	19626	Strand	-
Start	6124	End	6327
Name	OJ990910_07.0103.C16.o1.gp	Method	AAT/GAP
Start	6124	End	6323

GI	5803384	Score	373
Exons	6124..6323		
GI Descrip.	4559381/gb|AAD23041.1|AC006526_6 8.0e-35 (AC006526) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19627	Strand	+
Start	3138	End	3675
Name	OJ990910_07.0103.C17.o1.gp	Method	AAT/GAP
Start	3138	End	3675
GI	none	Score	949
Exons	3138..3675		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o1.np	Method	AAT/NAP
Start	1	End	2525
GI	2129553	Score	1258
Exons	1..180, 501..653, 739..882, 1798..2525		
GI Descrip.	calcium-dependent protein kinase 6 - Arabidopsis thaliana		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	90	End	2308
GI	none	Score	82
Exons	90..179, 91..180, 92..181, 92..181, 130..207, 499..660, 503..655, 740..874, 741..872, 1751..2278, 1782..2306, 1805..2308		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o1.tc	Method	TBLASTX:Cress
Start	92	End	2306
GI	none	Score	117
Exons	92..181, 499..660, 509..655, 728..883, 729..884, 896..937, 1782..2306, 1796..2305		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	92	End	2308
GI	none	Score	74
Exons	92..190, 92..181, 478..648, 499..660, 500..655, 525..662, 740..883, 741..884, 1782..2306, 1796..2308		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o1.gs	Method	GENSCAN
Start	501	End	3043
GI	none	Score	.69
Exons	501..653, 739..882, 1798..3043		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o2.tw	Method	TBLASTX:Wheat
Start	502	End	1846
GI	none	Score	76
Exons	502..660, 518..655, 720..884,	740..883,	1794..1844, 1796..1846

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o1.tw	Method	TBLASTX:Wheat
Start	1847	End	2134
GI	none	Score	225
Exons	1847..2134, 1847..2134		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o2.np	Method	AAT/NAP
Start	2318	End	4333
GI	117575	Score	128
Exons	2318..2503, 2569..2865, 4309..4333		
GI Descrip.	CIRCUMSPOROZOITE PROTEIN PRECURSOR (CS) gi|9785|emb|CAA35608| (X17606) precursor protein (AA -20 to 327) [Plasmodium berghei]		

Seq. No.	9179	Seq. ID	OJ990910_07.0103.C17
Gene No.	19628	Strand	-
Start	1	End	4333
Name	OJ990910_07.0103.C17.o2.gp	Method	AAT/GAP
Start	4075	End	4333
GI	uC-osflcyp162c01b1	Score	498
Exons	4075..4333		
GI Descrip.	'4559381/gb|AAD23041.1|AC006526_6 8.0e-35 (AC006526) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9180	Seq. ID	OJ990910_07.0103.C18
Gene No.	19629	Strand	+
Start	2666	End	3070
Name	OJ990910_07.0103.C18.o1.gs	Method	GENSCAN
Start	2666	End	3070
GI	none	Score	.82
Exons	2666..3070		

Seq. No.	9180	Seq. ID	OJ990910_07.0103.C18
Gene No.	19630	Strand	+
Start	5231	End	7566
Name	OJ990910_07.0103.C18.o2.gs	Method	GENSCAN
Start	5231	End	7149
GI	none	Score	.42
Exons	5231..5236, 5276..5435, 5523..5651,		6599..7149

Seq. No.	9180	Seq. ID	OJ990910_07.0103.C18
Gene No.	19630	Strand	+
Start	5231	End	7566
Name	OJ990910_07.0103.C18.o1.np	Method	AAT/NAP
Start	6373	End	7566

GI	6907086	Score	1162
Exons	6373..7129, 7187..7566		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9180	Seq. ID	OJ990910_07.0103.C18
Gene No.	19631	Strand	-
Start	2949	End	3392
Name	OJ990910_07.0103.C18.o1.gp	Method	AAT/GAP
Start	2949	End	3392
GI	uC-osflcyp123f01b1	Score	793
Exons	2949..3392		
GI Descrip.	'231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]'		

Seq. No.	9181	Seq. ID	OJ990910_07.0103.C19
Gene No.	19632	Strand	+
Start	871	End	2072
Name	OJ990910_07.0103.C19.o1.gp	Method	AAT/GAP
Start	871	End	1537
GI	3548927	Score	1054
Exons	871..1049, 1149..1537		
GI Descrip.	231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]		

Seq. No.	9181	Seq. ID	OJ990910_07.0103.C19
Gene No.	19632	Strand	+
Start	871	End	2072
Name	OJ990910_07.0103.C19.o1.gs	Method	GENSCAN
Start	920	End	1508
GI	none	Score	.58
Exons	920..1049, 1149..1508		

Seq. No.	9181	Seq. ID	OJ990910_07.0103.C19
Gene No.	19632	Strand	+
Start	871	End	2072
Name	OJ990910_07.0103.C19.o1.np	Method	AAT/NAP
Start	1133	End	2072
GI	231982	Score	354
Exons	1133..1537, 2052..2072		
GI Descrip.	UROPORPHYRINOGEN DECARBOXYLASE (UPD) gi|1075614|pir||A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) gi|48040|emb|CAA77766| (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]		

Seq. No.	9181	Seq. ID	OJ990910_07.0103.C19
Gene No.	19632	Strand	+
Start	871	End	2072
Name	OJ990910_07.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	1136	End	1444
GI	none	Score	47
Exons	1136..1180, 1147..1443, 1196..1444		

Seq. No.	9181	Seq. ID	OJ990910_07.0103.C19
Gene No.	19632	Strand	+
Start	871	End	2072
Name	OJ990910_07.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	1138	End	1540
GI	none	Score	44
Exons	1138..1539, 1151..1183, 1184..1540		

Seq. No.	9181	Seq. ID	OJ990910_07.0103.C19
Gene No.	19632	Strand	+
Start	871	End	2072
Name	OJ990910_07.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	1190	End	1459
GI	none	Score	387
Exons	1190..1459, 1195..1458		

Seq. No.	9182	Seq. ID	OJ990910_07.0103.C20
Gene No.	19633	Strand	+
Start	170	End	1873
Name	OJ990910_07.0103.C20.o1.gp	Method	AAT/GAP
Start	170	End	677
GI	uC-osroM202005a04b1	Score	272
Exons	170..221, 514..677		
GI Descrip.	'4455359/emb|CAB36769.1| 5.0e-29 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	9182	Seq. ID	OJ990910_07.0103.C20
Gene No.	19633	Strand	+
Start	170	End	1873
Name	OJ990910_07.0103.C20.o1.np	Method	AAT/NAP
Start	503	End	1812
GI	2501647	Score	334
Exons	503..766, 1695..1812		
GI Descrip.	UROPORPHYRINOGEN DECARBOXYLASE PRECURSOR (UPD) gi|1362120|pir||S55732 uroporphyrinogen decarboxylase - common tobacco gi|1009429|emb|CAA58040| (X82833) uroporphyrinogen decarboxylase [Nicotiana tabacum]		

Seq. No.	9182	Seq. ID	OJ990910_07.0103.C20
Gene No.	19633	Strand	+
Start	170	End	1873
Name	OJ990910_07.0103.C20.o1.tc	Method	TBLASTX:Cress
Start	513	End	1836
GI	none	Score	345
Exons	513..776, 513..761, 554..772, 1692..1835, 1692..1826, 1693..1836, 1696..1836		

Seq. No.	9182	Seq. ID	OJ990910_07.0103.C20
Gene No.	19633	Strand	+
Start	170	End	1873
Name	OJ990910_07.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	528	End	763
GI	none	Score	339
Exons	528..761, 528..716, 530..763		

Seq. No.	9182	Seq. ID	OJ990910_07.0103.C20

Gene No.	19633	Strand	+
Start	170	End	1873
Name	OJ990910_07.0103.C20.o1.gs	Method	GENSCAN
Start	531	End	1863
GI	none	Score	.75
Exons	531..766, 1100..1195, 1695..1863		

Seq. No.	9182	Seq. ID	OJ990910_07.0103.C20
Gene No.	19633	Strand	+
Start	170	End	1873
Name	OJ990910_07.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	551	End	1873
GI	none	Score	349
Exons	551..772, 558..782, 561..776, 1687..1869, 1693..1866, 1694..1873, 1695..1871		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19634	Strand	-
Start	85	End	3227
Name	OJ990920_01.0103.C2.o1.np	Method	AAT/NAP
Start	85	End	3227
GI	6560770	Score	408
Exons	85..249, 1883..1969, 2362..2496, 3099..3227		
GI Descrip.	(AC010155) F3M18.5 [Arabidopsis thaliana]		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19634	Strand	-
Start	85	End	3227
Name	OJ990920_01.0103.C2.o2.gs	Method	GENSCAN
Start	2320	End	3227
GI	none	Score	.65
Exons	2320..2496, 3099..3227		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19635	Strand	-
Start	5222	End	5742
Name	OJ990920_01.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	2351	End	3237
GI	none	Score	93
Exons	2351..2479, 2362..2505, 2362..2496, 3099..3227, 3103..3237		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19635	Strand	-
Start	5222	End	5742
Name	OJ990920_01.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	5004	End	5390
GI	none	Score	225
Exons	5004..5039, 5046..5273, 5047..5265, 5072..5269, 5073..5270, 5328..5390, 5330..5389		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19635	Strand	-
Start	5222	End	5742
Name	OJ990920_01.0103.C2.o3.gs	Method	GENSCAN
Start	5222	End	5596
GI	none	Score	.45
Exons	5222..5596		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19635	Strand	-
Start	5222	End	5742
Name	OJ990920_01.0103.C2.o2.np	Method	AAT/NAP
Start	5225	End	5742
GI	6815097	Score	588
Exons	5225..5742		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19635	Strand	-
Start	5222	End	5742
Name	OJ990920_01.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	5372	End	5738
GI	none	Score	63
Exons	5372..5734, 5457..5576, 5631..5738		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19635	Strand	-
Start	5222	End	5742
Name	OJ990920_01.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	5372	End	5626
GI	none	Score	77
Exons	5372..5626, 5400..5591		

Seq. No.	9183	Seq. ID	OJ990920_01.0103.C2
Gene No.	19635	Strand	-
Start	5222	End	5742
Name	OJ990920_01.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	5393	End	5716
GI	none	Score	71
Exons	5393..5584, 5393..5716, 5394..5705		

Seq. No.	9184	Seq. ID	OJ990920_01.0103.C3
Gene No.	19636	Strand	+
Start	139	End	2229
Name	OJ990920_01.0103.C3.o1.gs	Method	GENSCAN
Start	139	End	2229
GI	none	Score	.48
Exons	139..315, 1399..1411, 1526..1706, 2013..2229		

Seq. No.	9184	Seq. ID	OJ990920_01.0103.C3
Gene No.	19637	Strand	+
Start	3883	End	10575
Name	OJ990920_01.0103.C3.o2.np	Method	AAT/NAP
Start	3883	End	9134
GI	5852180	Score	483
Exons	3883..3913, 7466..7525, 8518..8599, 8652..9134		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9184	Seq. ID	OJ990920_01.0103.C3
Gene No.	19637	Strand	+
Start	3883	End	10575
Name	OJ990920_01.0103.C3.o3.gs	Method	GENSCAN
Start	8713	End	10575

GI	none	Score	.54
Exons	8713..8869, 8952..9134, 9802..9911, 9986..10160, 10165..10434, 10481..10575		

Seq. No.	9184	Seq. ID	OJ990920_01.0103.C3
Gene No.	19638	Strand	-
Start	1	End	6476
Name	OJ990920_01.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	5105
GI	6815097	Score	1533
Exons	1..513, 3120..3731, 4238..5105		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	9184	Seq. ID	OJ990920_01.0103.C3
Gene No.	19638	Strand	-
Start	1	End	6476
Name	OJ990920_01.0103.C3.o2.gs	Method	GENSCAN
Start	4107	End	6476
GI	none	Score	.76
Exons	4107..4565, 6270..6476		

Seq. No.	9184	Seq. ID	OJ990920_01.0103.C3
Gene No.	19639	Strand	-
Start	7374	End	7755
Name	OJ990920_01.0103.C3.o1.gp	Method	AAT/GAP
Start	7374	End	7755
GI	uC-osflcyp033a04b1	Score	655
Exons	7374..7755		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9184	Seq. ID	OJ990920_01.0103.C3
Gene No.	19640	Strand	-
Start	12822	End	16779
Name	OJ990920_01.0103.C3.o4.gs	Method	GENSCAN
Start	12822	End	15677
GI	none	Score	.69
Exons	12822..12946, 13509..13645, 13824..14064, 15139..15249, 15377..15551, 15570..15677		

Seq. No.	9184	Seq. ID	OJ990920_01.0103.C3
Gene No.	19640	Strand	-
Start	12822	End	16779
Name	OJ990920_01.0103.C3.o3.np	Method	AAT/NAP
Start	15395	End	16779
GI	6721512	Score	120
Exons	15395..15524, 15552..15658, 16757..16779		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19641	Strand	+
Start	857	End	6149
Name	OJ990920_01.0103.C8.o1.gs	Method	GENSCAN
Start	857	End	6149
GI	none	Score	.53
Exons	857..885, 2207..2357, 2594..2666, 2671..2774, 3236..3306,		

3464..3568, 3624..3886, 3967..4091, 4159..4290, 4381..4439, 4614..5162, 5425..5552, 5662..6149

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19641	Strand	+
Start	857	End	6149
Name	OJ990920_01.0103.C8.o1.np	Method	AAT/NAP
Start	4101	End	5286
GI	6721561	Score	1087
Exons	4101..4439, 4522..5286		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19642	Strand	+
Start	11528	End	13402
Name	OJ990920_01.0103.C8.o4.np	Method	AAT/NAP
Start	11528	End	13402
GI	6721512	Score	79
Exons	11528..11565, 13132..13234, 13262..13402		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19643	Strand	-
Start	6795	End	9911
Name	OJ990920_01.0103.C8.o2.np	Method	AAT/NAP
Start	6795	End	9911
GI	5902445	Score	2949
Exons	6795..8038, 8078..9911		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o2.tw	Method	TBLASTX:Wheat
Start	6804	End	7411
GI	none	Score	76
Exons	6804..6929, 6959..7411, 7155..7262, 7308..7397		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o5.tw	Method	TBLASTX:Wheat
Start	7433	End	7787
GI	none	Score	173
Exons	7433..7774, 7443..7685, 7541..7780, 7725..7787		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	7613	End	7912
GI	none	Score	179
Exons	7613..7912, 7614..7880		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o8.tw	Method	TBLASTX:Wheat
Start	8060	End	8381
GI	none	Score	71
Exons	8060..8380, 8061..8381		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o6.tw	Method	TBLASTX:Wheat
Start	8420	End	8828
GI	none	Score	36
Exons	8420..8593, 8435..8578, 8600..8788, 8603..8827, 8607..8828		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	8918	End	9341
GI	none	Score	99
Exons	8918..9070, 9060..9341, 9157..9297		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o3.tw	Method	TBLASTX:Wheat
Start	8973	End	9395
GI	none	Score	67
Exons	8973..9071, 8975..9070, 9063..9395, 9067..9297, 9081..9392, 9239..9394		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	9069	End	9452
GI	none	Score	136
Exons	9069..9452, 9070..9297		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	9480	End	9836
GI	none	Score	203
Exons	9480..9836, 9481..9750		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o1.tw	Method	TBLASTX:Wheat
Start	9510	End	9966
GI	none	Score	337
Exons	9510..9965, 9511..9966		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o3.np	Method	AAT/NAP
Start	9978	End	14919
GI	5902444	Score	916
Exons	9978..11637, 11974..12256, 14899..14919		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o4.tw	Method	TBLASTX:Wheat
Start	10156	End	10611
GI	none	Score	112
Exons	10156..10392, 10171..10380, 10429..10611, 10505..10603		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o3.gs	Method	GENSCAN
Start	10696	End	13615
GI	none	Score	.5
Exons	10696..11390, 11632..12019, 12192..12500, 12528..13161, 13353..13615		

Seq. No.	9185	Seq. ID	OJ990920_01.0103.C8
Gene No.	19644	Strand	-
Start	9978	End	14919
Name	OJ990920_01.0103.C8.o7.tw	Method	TBLASTX:Wheat
Start	11242	End	11639
GI	none	Score	38
Exons	11242..11394, 11291..11419, 11394..11516, 11398..11511, 11475..11576, 11485..11577, 11592..11639		

Seq. No.	9186	Seq. ID	OJ990920_01.0103.C9
Gene No.	19645	Strand	
Start	9	End	779
Name	OJ990920_01.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	9	End	779
GI	none	Score	70
Exons	9..119, 11..76, 198..302, 200..298, 200..331, 201..272, 206..301, 207..299, 213..296, 323..421, 326..454, 356..427, 356..430, 361..435, 361..456, 364..435, 368..430, 474..632, 476..625, 480..629, 502..594, 512..604, 513..632, 514..633, 518..613, 667..744, 683..745, 683..742, 688..744, 688..744, 693..743, 693..776, 702..779		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19646	Strand	+
Start	84	End	356
Name	OJ990920_01.0103.C10.o1.gs	Method	GENSCAN
Start	84	End	356
GI	none	Score	.44
Exons	84..356		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19647	Strand	+
Start	2063	End	3807
Name	OJ990920_01.0103.C10.o1.np	Method	AAT/NAP
Start	1501	End	2031
GI	5852181	Score	113
Exons	1501..1634, 1754..2031		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19647	Strand	+
Start	2063	End	3807
Name	OJ990920_01.0103.C10.o2.gs	Method	GENSCAN
Start	2063	End	3807
GI	none	Score	.61
Exons	2063..2295, 2897..2942, 3046..3157, 3350..3807		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19648	Strand	+
Start	4321	End	6033
Name	OJ990920_01.0103.C10.o3.gs	Method	GENSCAN
Start	4321	End	6033
GI	none	Score	.43
Exons	4321..4374, 4730..4944, 5874..6033		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19648	Strand	+
Start	4321	End	6033
Name	OJ990920_01.0103.C10.o2.np	Method	AAT/NAP
Start	4733	End	5478
GI	2213632	Score	663
Exons	4733..5478		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19649	Strand	+
Start	7235	End	9235
Name	OJ990920_01.0103.C10.o4.gs	Method	GENSCAN
Start	7235	End	9235
GI	none	Score	.89
Exons	7235..7343, 7455..7655, 7874..8087, 8123..8286, 8685..8864, 8946..9235		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19649	Strand	+
Start	7235	End	9235
Name	OJ990920_01.0103.C10.o3.np	Method	AAT/NAP
Start	7879	End	9235
GI	3386534	Score	901
Exons	7879..8600, 8685..9235		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19650	Strand	+
Start	15022	End	15403
Name	OJ990920_01.0103.C10.o2.gp	Method	AAT/GAP
Start	15022	End	15403

GI	uC-osflcyp033a04b1	Score	667
Exons	15022..15403		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19651	Strand	+
Start	25033	End	25279
Name	OJ990920_01.0103.C10.o9.gs	Method	GENSCAN
Start	25033	End	25279
GI	none	Score	.62
Exons	25033..25147, 25205..25279		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19652	Strand	-
Start	9476	End	10472
Name	OJ990920_01.0103.C10.o5.gs	Method	GENSCAN
Start	9476	End	10472
GI	none	Score	.77
Exons	9476..9695, 9866..10045, 10303..10472		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19653	Strand	-
Start	12535	End	12810
Name	OJ990920_01.0103.C10.o4.np	Method	AAT/NAP
Start	12535	End	12810
GI	6539588	Score	200
Exons	12535..12810		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19654	Strand	-
Start	13694	End	23095
Name	OJ990920_01.0103.C10.o5.np	Method	AAT/NAP
Start	13694	End	18906
GI	5852180	Score	493
Exons	13694..14103, 14155..14273, 15252..15320, 18807..18906		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19654	Strand	-
Start	13694	End	23095
Name	OJ990920_01.0103.C10.o7.gs	Method	GENSCAN
Start	16090	End	23095
GI	none	Score	.43
Exons	16090..16172, 16336..16450, 16546..16751, 17295..18033, 18722..18979, 19510..19674, 19892..19909, 20114..20233, 22859..22886, 23028..23095		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19654	Strand	-
Start	13694	End	23095
Name	OJ990920_01.0103.C10.o6.np	Method	AAT/NAP
Start	17331	End	18986
GI	6539588	Score	210
Exons	17331..17391, 18729..18986		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19655	Strand	-
Start	23910	End	24443
Name	OJ990920_01.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	3550	End	3810
GI	none	Score	95
Exons	3550..3804, 3552..3704, 3553..3810, 3554..3808, 3591..3809		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19655	Strand	-
Start	23910	End	24443
Name	OJ990920_01.0103.C10.o3.tw	Method	TBLASTX:Wheat
Start	4556	End	4897
GI	none	Score	216
Exons	4556..4897, 4621..4896		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19655	Strand	-
Start	23910	End	24443
Name	OJ990920_01.0103.C10.o3.tm	Method	TBLASTX:Maize
Start	4565	End	5014
GI	none	Score	299
Exons	4565..4957, 4711..4953, 4985..5014		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19655	Strand	-
Start	23910	End	24443
Name	OJ990920_01.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	5017	End	5455
GI	none	Score	325
Exons	5017..5262, 5018..5350, 5217..5399, 5393..5455		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19655	Strand	-
Start	23910	End	24443
Name	OJ990920_01.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	5029	End	5443
GI	none	Score	176
Exons	5029..5196, 5030..5206, 5207..5443, 5207..5443		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19655	Strand	-
Start	23910	End	24443
Name	OJ990920_01.0103.C10.o2.tw	Method	TBLASTX:Wheat
Start	8738	End	9022
GI	none	Score	276
Exons	8738..9022, 8815..9018		

Seq. No.	9187	Seq. ID	OJ990920_01.0103.C10
Gene No.	19655	Strand	-
Start	23910	End	24443
Name	OJ990920_01.0103.C10.o8.gs	Method	GENSCAN
Start	23910	End	24443
GI	none	Score	.9
Exons	23910..24443		

Seq. No.	9188	Seq. ID	OJ990920_01.0103.C11
Gene No.	19656	Strand	-
Start	4405	End	5672
Name	OJ990920_01.0103.C11.o2.gs	Method	GENSCAN
Start	4405	End	5672
GI	none	Score	.64
Exons	4405..4596, 5134..5248, 5626..5672		

Seq. No.	9188	Seq. ID	OJ990920_01.0103.C11
Gene No.	19657	Strand	-
Start	6812	End	8983
Name	OJ990920_01.0103.C11.o1.np	Method	AAT/NAP
Start	6527	End	8983
GI	5091513	Score	498
Exons	6527..7294, 7960..8235, 8794..8983		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	9188	Seq. ID	OJ990920_01.0103.C11
Gene No.	19657	Strand	-
Start	6812	End	8983
Name	OJ990920_01.0103.C11.o3.gs	Method	GENSCAN
Start	6812	End	8800
GI	none	Score	.78
Exons	6812..7263, 7897..8186, 8231..8301, 8669..8800		

Seq. No.	9189	Seq. ID	OJ990920_01.0103.C12
Gene No.	19658	Strand	+
Start	1	End	730
Name	OJ990920_01.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	730
GI	6815097	Score	651
Exons	1..730		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	9189	Seq. ID	OJ990920_01.0103.C12
Gene No.	19658	Strand	+
Start	1	End	730
Name	OJ990920_01.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	321	End	722
GI	5509260	Score	193
Exons	321..659, 324..527, 687..722		
GI Descrip.	-		

Seq. No.	9189	Seq. ID	OJ990920_01.0103.C12
Gene No.	19658	Strand	+
Start	1	End	730
Name	OJ990920_01.0103.C12.o1.gs	Method	GENSCAN
Start	348	End	662
GI	none	Score	.63
Exons	348..662		

Seq. No.	9189	Seq. ID	OJ990920_01.0103.C12
Gene No.	19658	Strand	+
Start	1	End	730
Name	OJ990920_01.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	375	End	635

GI	none	Score	190
Exons	375..635, 377..634		

Seq. No.	9190	Seq. ID	OJ990920_01.0103.C13
Gene No.	19659	Strand	+
Start	221	End	417
Name	OJ990920_01.0103.C13.o1.gp	Method	AAT/GAP
Start	221	End	417
GI	2443032	Score	354
Exons	221..417		
GI Descrip.	4588758/gb|AAD26198.1|AF115476_1 4.0e-45 (AF115476) rac-like GTP binding protein [Physcomitrella patens]		

Seq. No.	9190	Seq. ID	OJ990920_01.0103.C13
Gene No.	19659	Strand	+
Start	221	End	417
Name	OJ990920_01.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	277	End	417
GI	none	Score	175
Exons	277..405, 287..403, 361..417		

Seq. No.	9190	Seq. ID	OJ990920_01.0103.C13
Gene No.	19659	Strand	+
Start	221	End	417
Name	OJ990920_01.0103.C13.o1.tc	Method	TBLASTX:Cress
Start	304	End	405
GI	none	Score	173
Exons	304..405, 305..403		

Seq. No.	9190	Seq. ID	OJ990920_01.0103.C13
Gene No.	19659	Strand	+
Start	221	End	417
Name	OJ990920_01.0103.C13.o1.gs	Method	GENSCAN
Start	305	End	403
GI	none	Score	1
Exons	305..403		

Seq. No.	9190	Seq. ID	OJ990920_01.0103.C13
Gene No.	19659	Strand	+
Start	221	End	417
Name	OJ990920_01.0103.C13.o1.np	Method	AAT/NAP
Start	305	End	417
GI	2500198	Score	156
Exons	305..417		
GI Descrip.	RAC-LIKE GTP BINDING PROTEIN RAC2 gi|1370201|emb|CAA98190| (Z73962) RAC2 [Lotus japonicus]		

Seq. No.	9191	Seq. ID	OJ990920_01.0103.C15
Gene No.	19660	Strand	+
Start	19	End	1733
Name	OJ990920_01.0103.C15.o1.np	Method	AAT/NAP
Start	19	End	1651
GI	2342725	Score	386
Exons	19..210, 1350..1651		
GI Descrip.	(AC002341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9191	Seq. ID	OJ990920_01.0103.C15

Gene No.	19660	Strand	+
Start	19	End	1733
Name	OJ990920_01.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	1343	End	1480
GI	none	Score	188
Exons	1343..1480, 1343..1462		

Seq. No.	9191	Seq. ID	OJ990920_01.0103.C15
Gene No.	19660	Strand	+
Start	19	End	1733
Name	OJ990920_01.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	1349	End	1668
GI	none	Score	475
Exons	1349..1654, 1361..1654, 1471..1668		

Seq. No.	9191	Seq. ID	OJ990920_01.0103.C15
Gene No.	19660	Strand	+
Start	19	End	1733
Name	OJ990920_01.0103.C15.o1.gp	Method	AAT/GAP
Start	1434	End	1733
GI	2311852	Score	570
Exons	1434..1733		
GI Descrip.	2342725 3.0e-23 (AC002341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9192	Seq. ID	OJ990920_01.0103.C19
Gene No.	19661	Strand	-
Start	1	End	442
Name	OJ990920_01.0103.C19.o1.np	Method	AAT/NAP
Start	1	End	407
GI	4680190	Score	240
Exons	1..153, 325..407		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	9192	Seq. ID	OJ990920_01.0103.C19
Gene No.	19661	Strand	-
Start	1	End	442
Name	OJ990920_01.0103.C19.o1.gs	Method	GENSCAN
Start	47	End	442
GI	none	Score	.92
Exons	47..117, 325..442		

Seq. No.	9193	Seq. ID	OJ990920_01.0103.C22
Gene No.	19662	Strand	+
Start	182	End	602
Name	OJ990920_01.0103.C22.o1.gs	Method	GENSCAN
Start	182	End	577
GI	none	Score	.62
Exons	182..577		

Seq. No.	9193	Seq. ID	OJ990920_01.0103.C22
Gene No.	19662	Strand	+
Start	182	End	602
Name	OJ990920_01.0103.C22.o1.np	Method	AAT/NAP
Start	206	End	602
GI	6689034	Score	329

Exons	206..602		
GI Descrip.	(AJ250832) germin-like protein [Pisum sativum]		

Seq. No.	9193	Seq. ID	OJ990920_01.0103.C22
Gene No.	19662	Strand	+
Start	182	End	602
Name	OJ990920_01.0103.C22.o1.tc	Method	TBLASTX:Cress
Start	254	End	601
GI	none	Score	313
Exons	254..289, 269..601, 280..600		

Seq. No.	9193	Seq. ID	OJ990920_01.0103.C22
Gene No.	19662	Strand	+
Start	182	End	602
Name	OJ990920_01.0103.C22.o1.tw	Method	TBLASTX:Wheat
Start	266	End	568
GI	none	Score	248
Exons	266..475, 269..568, 277..567		

Seq. No.	9193	Seq. ID	OJ990920_01.0103.C22
Gene No.	19662	Strand	+
Start	182	End	602
Name	OJ990920_01.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	269	End	597
GI	none	Score	40
Exons	269..301, 311..592, 328..597		

Seq. No.	9193	Seq. ID	OJ990920_01.0103.C22
Gene No.	19662	Strand	+
Start	182	End	602
Name	OJ990920_01.0103.C22.o1.ts	Method	TBLASTX:Soybean
Start	269	End	601
GI	none	Score	317
Exons	269..601, 277..600		

Seq. No.	9194	Seq. ID	OJ990920_01.0103.C24
Gene No.	19663	Strand	+
Start	200	End	278
Name	OJ990920_01.0103.C24.o1.gs	Method	GENSCAN
Start	200	End	278
GI	none	Score	.61
Exons	200..278		

Seq. No.	9195	Seq. ID	OJ990810_08.0103.C3
Gene No.	19664	Strand	+
Start	551	End	622
Name	OJ990810_08.0103.C3.o1.gs	Method	GENSCAN
Start	551	End	622
GI	none	Score	.57
Exons	551..622		

Seq. No.	9196	Seq. ID	OJ990810_08.0103.C4
Gene No.	19665	Strand	-
Start	530	End	703
Name	OJ990810_08.0103.C4.o1.gs	Method	GENSCAN
Start	530	End	703
GI	none	Score	.47

Exons	530..703		
Seq. No.	9197	Seq. ID	OJ990810_08.0103.C6
Gene No.	19666	Strand	+
Start	1	End	478
Name	OJ990810_08.0103.C6.o1.gp	Method	AAT/GAP
Start	1	End	478
GI	2276033	Score	424
Exons	1..23, 128..202, 345..478		
GI Descrip.	4539321/emb|CAB38822.1| 6.0e-17 (AL035679) putative protein [Arabidopsis thaliana]		
Seq. No.	9197	Seq. ID	OJ990810_08.0103.C6
Gene No.	19666	Strand	+
Start	1	End	478
Name	OJ990810_08.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	458
GI	5816992	Score	124
Exons	1..202, 345..458		
GI Descrip.	(AL110123) putative protein [Arabidopsis thaliana]		
Seq. No.	9197	Seq. ID	OJ990810_08.0103.C6
Gene No.	19666	Strand	+
Start	1	End	478
Name	OJ990810_08.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	472
GI	none	Score	54
Exons	2..34, 3..50, 125..205, 126..197, 342..467, 344..472, 344..466		
Seq. No.	9197	Seq. ID	OJ990810_08.0103.C6
Gene No.	19666	Strand	+
Start	1	End	478
Name	OJ990810_08.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	2	End	410
GI	none	Score	53
Exons	2..37, 3..50, 113..205, 125..205, 126..218, 342..410, 344..403		
Seq. No.	9197	Seq. ID	OJ990810_08.0103.C6
Gene No.	19666	Strand	+
Start	1	End	478
Name	OJ990810_08.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	125	End	467
GI	none	Score	78
Exons	125..205, 330..467, 353..445		
Seq. No.	9198	Seq. ID	OJ990810_08.0103.C8
Gene No.	19667	Strand	+
Start	620	End	2033
Name	OJ990810_08.0103.C8.o1.gs	Method	GENSCAN
Start	620	End	2033
GI	none	Score	.69
Exons	620..702, 1849..2033		
Seq. No.	9198	Seq. ID	OJ990810_08.0103.C8
Gene No.	19668	Strand	-
Start	2306	End	3449
Name	OJ990810_08.0103.C8.o2.gs	Method	GENSCAN

Start	2306	End	3449
GI	none	Score	.42
Exons	2306..3120, 3125..3449		

Seq. No.	9198	Seq. ID	OJ990810_08.0103.C8
Gene No.	19668	Strand	-
Start	2306	End	3449
Name	OJ990810_08.0103.C8.o1.np	Method	AAT/NAP
Start	2333	End	2943
GI	6143895	Score	459
Exons	2333..2943		
GI Descrip.	(AC010718) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	9198	Seq. ID	OJ990810_08.0103.C8
Gene No.	19668	Strand	-
Start	2306	End	3449
Name	OJ990810_08.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	2342	End	2905
GI	none	Score	44
Exons	2342..2425, 2378..2425, 2492..2608, 2514..2606, 2663..2881, 2670..2861, 2768..2905		

Seq. No.	9198	Seq. ID	OJ990810_08.0103.C8
Gene No.	19668	Strand	-
Start	2306	End	3449
Name	OJ990810_08.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	2522	End	2870
GI	none	Score	200
Exons	2522..2608, 2663..2869, 2670..2870		

Seq. No.	9198	Seq. ID	OJ990810_08.0103.C8
Gene No.	19668	Strand	-
Start	2306	End	3449
Name	OJ990810_08.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	2675	End	2881
GI	none	Score	181
Exons	2675..2881, 2676..2861		

Seq. No.	9199	Seq. ID	OJ990810_08.0103.C9
Gene No.	19669	Strand	+
Start	124	End	299
Name	OJ990810_08.0103.C9.o1.gs	Method	GENSCAN
Start	124	End	299
GI	none	Score	.98
Exons	124..299		

Seq. No.	9199	Seq. ID	OJ990810_08.0103.C9
Gene No.	19670	Strand	-
Start	842	End	1473
Name	OJ990810_08.0103.C9.o2.gs	Method	GENSCAN
Start	842	End	1473
GI	none	Score	.5
Exons	842..1146, 1169..1273, 1359..1473		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19671	Strand	+
Start	253	End	6765

Name	OJ990810_08.0103.C10.o1.gs	Method	GENSCAN
Start	253	End	6765
GI	none	Score	.47
Exons	253..464, 520..2302, 2460..2899, 2963..3796, 4006..4620, 4744..5628, 5770..6765		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19671	Strand	+
Start	253	End	6765
Name	OJ990810_08.0103.C10.o1.np	Method	AAT/NAP
Start	1043	End	6762
GI	6498441	Score	7075
Exons	1043..2107, 2436..2899, 2963..3336, 3520..3654, 3828..4200, 4468..4818, 4990..6387, 6481..6762		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19672	Strand	+
Start	10837	End	12297
Name	OJ990810_08.0103.C10.o3.gs	Method	GENSCAN
Start	10837	End	12297
GI	none	Score	.76
Exons	10837..10940, 11426..11483, 11763..11933, 12166..12297		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19673	Strand	+
Start	22021	End	22318
Name	OJ990810_08.0103.C10.o2.gp	Method	AAT/GAP
Start	22021	End	22318
GI	none	Score	596
Exons	22021..22318		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19674	Strand	+
Start	22553	End	23017
Name	OJ990810_08.0103.C10.o3.gp	Method	AAT/GAP
Start	22553	End	23017
GI	uC-osf1cyp082f04a1	Score	891
Exons	22553..23017		
GI Descrip.	'4539314/emb|CAB38815.1| 4.0e-19 (AL035679) kinesin like protein [Arabidopsis thaliana]'		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19675	Strand	+
Start	34095	End	36446
Name	OJ990810_08.0103.C10.o5.gs	Method	GENSCAN
Start	34095	End	36437
GI	none	Score	.78
Exons	34095..34102, 35473..35823, 35989..36109, 36201..36437		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19675	Strand	+
Start	34095	End	36446
Name	OJ990810_08.0103.C10.o6.np	Method	AAT/NAP
Start	35669	End	36446

GI	5103836	Score	286
Exons	35669..35823, 35989..36109, 36201..36446		
GI Descrip.	(AC007591) Is a member of the PF|00903 gyloxalase family. ESTs gb|T44721, gb|T21844 and gb|AA395404 come from this gene. [Arabidopsis thaliana]		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19676	Strand	+
Start	37503	End	38319
Name	OJ990810_08.0103.C10.o7.np	Method	AAT/NAP
Start	37303	End	38311
GI	4467098	Score	457
Exons	37303..37400, 37632..38075, 38140..38311		
GI Descrip.	(AL035538) putative protein [Arabidopsis thaliana]		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19676	Strand	+
Start	37503	End	38319
Name	OJ990810_08.0103.C10.o6.gs	Method	GENSCAN
Start	37503	End	38319
GI	none	Score	1
Exons	37503..37988, 38143..38319		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19677	Strand	+
Start	43506	End	44606
Name	OJ990810_08.0103.C10.o8.gs	Method	GENSCAN
Start	43506	End	44606
GI	none	Score	.62
Exons	43506..43619, 43674..43695, 43862..43945, 44293..44606		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19678	Strand	-
Start	7387	End	12373
Name	OJ990810_08.0103.C10.o2.gs	Method	GENSCAN
Start	7387	End	10555
GI	none	Score	.79
Exons	7387..7611, 7630..9193, 9294..10359, 10426..10555		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19678	Strand	-
Start	7387	End	12373
Name	OJ990810_08.0103.C10.o2.np	Method	AAT/NAP
Start	7390	End	10555
GI	6907089	Score	4168
Exons	7390..9193, 9294..10555		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19678	Strand	-
Start	7387	End	12373
Name	OJ990810_08.0103.C10.o3.np	Method	AAT/NAP
Start	9648	End	12373
GI	5922623	Score	136
Exons	9648..9726, 11373..11447, 11635..11740, 12254..12373		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19679	Strand	-
Start	13029	End	29909
Name	OJ990810_08.0103.C10.o4.gs	Method	GENSCAN
Start	13029	End	29909
GI	none	Score	.55
Exons	13029..13061, 13154..13310, 13437..13606, 13766..13843, 14773..14805, 15048..15126, 17911..18044, 19051..19996, 20066..20186, 21631..22063, 22865..23036, 23129..23430, 23632..23749, 23985..24505, 24585..24698, 24875..25202, 25563..25581, 25852..25933, 26080..26136, 26237..26337, 27019..27277, 27856..27974, 28238..28310, 28411..28456, 29123..29272, 29737..29909		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19679	Strand	-
Start	13029	End	29909
Name	OJ990810_08.0103.C10.o1.gp	Method	AAT/GAP
Start	14783	End	18942
GI	none	Score	1041
Exons	14783..15126, 17911..18044, 18868..18942		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19679	Strand	-
Start	13029	End	29909
Name	OJ990810_08.0103.C10.o4.np	Method	AAT/NAP
Start	17257	End	20001
GI	6561959	Score	217
Exons	17257..17307, 19182..20001		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19679	Strand	-
Start	13029	End	29909
Name	OJ990810_08.0103.C10.o5.np	Method	AAT/NAP
Start	22716	End	27205
GI	4539314	Score	1500
Exons	22716..23036, 23129..23337, 23584..23913, 24062..24367, 24419..24459, 24559..24698, 24875..25202, 25309..25433, 25689..25806, 25850..25933, 26023..26136, 26237..26335, 26440..26531, 27019..27205		
GI Descrip.	(AL035679) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19679	Strand	-
Start	13029	End	29909
Name	OJ990810_08.0103.C10.o4.gp	Method	AAT/GAP
Start	24194	End	25205
GI	26184_1.R1084	Score	1462
Exons	24194..24505, 24585..24698, 24875..25205		
GI Descrip.	'5668645/emb|CAB51660.1| 5.0e-51 (AL109619) putative protein [Arabidopsis thaliana]'		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19680	Strand	-

Start	38655	End	42128
Name	OJ990810_08.0103.C10.o5.gp	Method	AAT/GAP
Start	38655	End	39587
GI	3767920	Score	852
Exons	38655..39028, 39514..39587		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19680	Strand	-
Start	38655	End	42128
Name	OJ990810_08.0103.C10.o7.gs	Method	GENSCAN
Start	38951	End	42128
GI	none	Score	.88
Exons	38951..39028, 39514..39590, 40663..40891, 41517..42128		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19680	Strand	-
Start	38655	End	42128
Name	OJ990810_08.0103.C10.o6.gp	Method	AAT/GAP
Start	40742	End	41651
GI	428764	Score	550
Exons	40742..40891, 41517..41651		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19681	Strand	-
Start	46261	End	47465
Name	OJ990810_08.0103.C10.o9.gs	Method	GENSCAN
Start	46261	End	47465
GI	none	Score	.79
Exons	46261..46484, 46526..46600, 47387..47465		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o6.tw	Method	TBLASTX:Wheat
Start	1195	End	1584
GI	none	Score	54
Exons	1195..1239, 1246..1344, 1263..1343, 1311..1550, 1327..1584		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o14.tm	Method	TBLASTX:Maize
Start	1234	End	1482
GI	none	Score	190
Exons	1234..1482, 1236..1481		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o3.tw	Method	TBLASTX:Wheat
Start	2371	End	2806
GI	none	Score	380
Exons	2371..2493, 2372..2806, 2515..2775		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359

Name	OJ990810_08.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	2970	End	3433
GI	none	Score	214
Exons	2970..3413, 2971..3426, 2972..3433, 2972..3427		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o5.tm	Method	TBLASTX:Maize
Start	3101	End	3457
GI	none	Score	375
Exons	3101..3457, 3136..3447, 3341..3457		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o7.tm	Method	TBLASTX:Maize
Start	3484	End	3867
GI	none	Score	280
Exons	3484..3768, 3485..3769, 3757..3867		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o2.tw	Method	TBLASTX:Wheat
Start	3541	End	3960
GI	none	Score	274
Exons	3541..3771, 3542..3772, 3754..3960, 3780..3935		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o5.ts	Method	TBLASTX:Soybean
Start	3620	End	3990
GI	none	Score	147
Exons	3620..3763, 3637..3762, 3760..3990		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o5.tw	Method	TBLASTX:Wheat
Start	4666	End	5124
GI	none	Score	236
Exons	4666..4914, 4690..4941, 4755..4931, 4975..5124, 4984..5121, 4986..5123		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o9.ts	Method	TBLASTX:Soybean
Start	4813	End	5379
GI	5666795	Score	67
Exons	4813..4911, 4987..5124, 5179..5379		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-

Start	48366	End	49359
Name	OJ990810_08.0103.C10.o8.tw	Method	TBLASTX:Wheat
Start	5127	End	5439
GI	none	Score	194
Exons	5127..5303, 5179..5439		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o6.tm	Method	TBLASTX:Maize
Start	5632	End	5975
GI	none	Score	360
Exons	5632..5955, 5661..5942, 5826..5975		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o4.tw	Method	TBLASTX:Wheat
Start	5769	End	18054
GI	none	Score	374
Exons	5769..6119, 5770..6150, 17980..18054		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o7.tw	Method	TBLASTX:Wheat
Start	6151	End	6753
GI	none	Score	261
Exons	6151..6435, 6156..6434, 6627..6749, 6628..6753		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o8.tm	Method	TBLASTX:Maize
Start	14552	End	15128
GI	none	Score	34
Exons	14552..14614, 14673..14720, 14674..14721, 14819..15127, 14820..15128		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o7.ts	Method	TBLASTX:Soybean
Start	19249	End	19524
GI	none	Score	122
Exons	19249..19524, 19250..19519		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o11.tm	Method	TBLASTX:Maize
Start	19405	End	19629
GI	none	Score	92
Exons	19405..19551, 19406..19534, 19534..19629, 19567..19629		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-

Start	48366	End	49359
Name	OJ990810_08.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	22662	End	23434
GI	none	Score	119
Exons	22662..22790, 22690..22791, 22786..23037, 22787..23038, 22788..23054, 22791..23045, 23161..23433, 23168..23434		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o4.ts	Method	TBLASTX:Soybean
Start	22787	End	23039
GI	none	Score	170
Exons	22787..23038, 22788..23039		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o6.ts	Method	TBLASTX:Soybean
Start	23167	End	23358
GI	none	Score	89
Exons	23167..23358, 23168..23356		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	23583	End	25067
GI	none	Score	40
Exons	23583..23636, 23632..23700, 23636..23701, 23636..23701, 23698..24030, 23707..24003, 23988..24221, 24014..24436, 24014..24412, 24015..24437, 24280..24462, 24451..24504, 24464..24502, 24609..24701, 24611..24703, 24869..25015, 24874..25020, 24876..25016, 25010..25066, 25012..25059, 25016..25066, 25017..25067		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	24882	End	25386
GI	none	Score	40
Exons	24882..24908, 24931..25194, 24938..25222, 24941..25195, 24942..25205, 25309..25386, 25314..25385		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o9.tm	Method	TBLASTX:Maize
Start	25097	End	25546
GI	none	Score	138
Exons	25097..25222, 25098..25205, 25099..25209, 25309..25440, 25309..25428, 25310..25429, 25317..25433, 25519..25545, 25520..25546		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-

Start	48366	End	49359
Name	OJ990810_08.0103.C10.o3.tc	Method	TBLASTX:Cress
Start	25374	End	26098
GI	none	Score	66
Exons	25374..25433, 25375..25449, 25516..25581, 25517..25582, 25689..25757, 25690..25746, 25823..25936, 25854..25934, 26014..26097, 26024..26098		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o3.tm	Method	TBLASTX:Maize
Start	25548	End	26482
GI	none	Score	40
Exons	25548..25586, 25550..25582, 25692..25757, 25693..25758, 25697..25768, 25846..25935, 25853..25936, 25854..25934, 26014..26139, 26023..26139, 26237..26362, 26237..26356, 26242..26361, 26447..26482		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o3.ts	Method	TBLASTX:Soybean
Start	25886	End	26487
GI	none	Score	113
Exons	25886..25948, 26011..26139, 26012..26137, 26237..26356, 26244..26369, 26246..26332, 26256..26339, 26440..26487, 26441..26482		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o12.tm	Method	TBLASTX:Maize
Start	27035	End	27270
GI	none	Score	132
Exons	27035..27178, 27036..27155, 27052..27204, 27196..27270		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o13.tm	Method	TBLASTX:Maize
Start	35651	End	36368
GI	none	Score	130
Exons	35651..35824, 35693..35824, 35989..36039, 35990..36040, 36073..36108, 36077..36109, 36195..36368, 36200..36364		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o8.ts	Method	TBLASTX:Soybean
Start	35693	End	36368
GI	none	Score	150
Exons	35693..35824, 35990..36025, 36077..36115, 36195..36368, 36200..36364		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-

Start	48366	End	49359
Name	OJ990810_08.0103.C10.o2.tc	Method	TBLASTX:Cress
Start	35987	End	36373
GI	none	Score	45
Exons	35987..36022, 36074..36109, 36195..36371, 36200..36367, 36209..36373, 36288..36368		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o4.tc	Method	TBLASTX:Cress
Start	37715	End	37913
GI	none	Score	186
Exons	37715..37882, 37785..37913		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o4.tm	Method	TBLASTX:Maize
Start	37734	End	38322
GI	none	Score	394
Exons	37734..37988, 37766..37951, 37946..37990, 38140..38322, 38142..38321		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o2.ts	Method	TBLASTX:Soybean
Start	37737	End	38292
GI	none	Score	334
Exons	37737..37988, 37766..37954, 38140..38292, 38142..38255		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o10.tm	Method	TBLASTX:Maize
Start	41871	End	42248
GI	none	Score	68
Exons	41871..41954, 41902..41952, 41970..42134, 41971..42135, 42225..42248		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o10.gs	Method	GENSCAN
Start	48366	End	49305
GI	none	Score	.53
Exons	48366..48807, 48932..49305		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	48378	End	49218
GI	none	Score	88
Exons	48378..48455, 48471..48554, 48582..48770, 48619..48771, 48974..49117, 48976..49218		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o10.ts	Method	TBLASTX:Soybean
Start	48378	End	49218
GI	none	Score	143
Exons	48378..48455, 48471..48554, 48580..48771, 48582..48770, 48976..49218, 48977..49117		

Seq. No.	9200	Seq. ID	OJ990810_08.0103.C10
Gene No.	19682	Strand	-
Start	48366	End	49359
Name	OJ990810_08.0103.C10.o8.np	Method	AAT/NAP
Start	48572	End	49359
GI	5731998	Score	430
Exons	48572..48772, 48987..49359		
GI Descrip.	(AF139532) aldehyde 5-hydroxylase [Liquidambar styraciflua]		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19683	Strand	+
Start	2092	End	4131
Name	OJ990810_08.0103.C11.o1.gs	Method	GENSCAN
Start	2092	End	4131
GI	none	Score	.73
Exons	2092..2227, 2264..2288, 2294..2522, 3286..3442, 3561..3682, 4000..4131		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19684	Strand	+
Start	4689	End	9052
Name	OJ990810_08.0103.C11.o2.gs	Method	GENSCAN
Start	4689	End	9052
GI	none	Score	.64
Exons	4689..4756, 5608..5739, 6073..6125, 7509..7591, 7673..8092, 8216..9052		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19684	Strand	+
Start	4689	End	9052
Name	OJ990810_08.0103.C11.o1.np	Method	AAT/NAP
Start	7799	End	9049
GI	6562260	Score	320
Exons	7799..8067, 8205..8266, 8441..9049		
GI Descrip.	(AL132980) transcription factor-like protein [Arabidopsis thaliana]		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19685	Strand	+
Start	9127	End	9396
Name	OJ990810_08.0103.C11.o2.gp	Method	AAT/GAP
Start	9127	End	9396
GI	3762907	Score	488
Exons	9127..9396		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19686	Strand	+

Start	9722	End	10240
Name	OJ990810_08.0103.C11.o3.gp	Method	AAT/GAP
Start	9722	End	10240
GI	87034_1.R1084	Score	994
Exons	9722..10240		
GI Descrip.	'984926/gb|U35137|XXU35137 1.0e-57 Plasmid pBSL99 cloning vector, complete sequence'		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19687	Strand	+
Start	11155	End	14114
Name	OJ990810_08.0103.C11.o2.np	Method	AAT/NAP
Start	11155	End	14114
GI	5852093	Score	60
Exons	11155..11193, 12537..12642, 14059..14114		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19688	Strand	-
Start	7493	End	8263
Name	OJ990810_08.0103.C11.o1.gp	Method	AAT/GAP
Start	7493	End	7857
GI	3761807	Score	700
Exons	7493..7857		
GI Descrip.	984926/gb|U35137|XXU35137 1.0e-57 Plasmid pBSL99 cloning vector, complete sequence		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19688	Strand	-
Start	7493	End	8263
Name	OJ990810_08.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	7543	End	8263
GI	none	Score	76
Exons	7543..7584, 7544..7588, 7576..7605, 7735..7776, 7877..8050, 7879..8031, 8004..8093, 8059..8091, 8201..8263, 8201..8263		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19689	Strand	
Start	8779	End	9006
Name	OJ990810_08.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	8779	End	8995
GI	none	Score	313
Exons	8779..8994, 8786..8995		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19689	Strand	
Start	8779	End	9006
Name	OJ990810_08.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	8785	End	9006
GI	none	Score	333
Exons	8785..9006, 8786..8995		

Seq. No.	9201	Seq. ID	OJ990810_08.0103.C11
Gene No.	19689	Strand	
Start	8779	End	9006
Name	OJ990810_08.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	8786	End	9006

GI	none	Score	317
Exons	8786..9004, 8800..9006		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19690	Strand	+
Start	86	End	3582
Name	OJ990810_08.0103.C12.o1.gs	Method	GENSCAN
Start	86	End	3582
GI	none	Score	.64
Exons	86..198, 443..455, 3257..3283, 3523..3582		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19691	Strand	+
Start	5597	End	5655
Name	OJ990810_08.0103.C12.o1.gp	Method	AAT/GAP
Start	5597	End	5655
GI	2312838	Score	64
Exons	5597..5655		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19692	Strand	+
Start	19932	End	22914
Name	OJ990810_08.0103.C12.o3.gp	Method	AAT/GAP
Start	19744	End	20314
GI	48654_1.R1084	Score	880
Exons	19744..20132, 20226..20314		
GI Descrip.	'3618312/dbj|BAA33202| 2.0e-18 (AB001884) zinc finger protein [Oryza sativa]'		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19692	Strand	+
Start	19932	End	22914
Name	OJ990810_08.0103.C12.o2.np	Method	AAT/NAP
Start	19932	End	21664
GI	4539326	Score	350
Exons	19932..20132, 20229..20488, 21637..21664		
GI Descrip.	(AL035679) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19692	Strand	+
Start	19932	End	22914
Name	OJ990810_08.0103.C12.o4.gs	Method	GENSCAN
Start	19932	End	22914
GI	none	Score	.81
Exons	19932..20132, 20226..20582, 21425..21540, 21951..22089, 22855..22914		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19693	Strand	+
Start	23339	End	24955
Name	OJ990810_08.0103.C12.o5.gs	Method	GENSCAN
Start	23339	End	24955
GI	none	Score	.81
Exons	23339..23460, 23607..23832, 23900..23957, 24777..24955		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19694	Strand	+
Start	25283	End	31218
Name	OJ990810_08.0103.C12.o3.np	Method	AAT/NAP
Start	25274	End	27257
GI	2160169	Score	940
Exons	25274..25326, 25438..25666, 25836..26224, 26398..26541, 26652..26923, 27004..27257		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19694	Strand	+
Start	25283	End	31218
Name	OJ990810_08.0103.C12.o6.gs	Method	GENSCAN
Start	25283	End	31218
GI	none	Score	.63
Exons	25283..25343, 25485..25561, 25836..26301, 26429..26633, 26652..26920, 27004..27250, 27868..28001, 30871..30945, 31108..31218		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19695	Strand	-
Start	4369	End	14383
Name	OJ990810_08.0103.C12.o2.gs	Method	GENSCAN
Start	4369	End	14383
GI	none	Score	.67
Exons	4369..4519, 6676..6809, 6845..6876, 6878..6988, 7348..7497, 7546..7665, 7689..7866, 8311..8409, 8552..8626, 8732..8887, 9178..9378, 9980..10081, 10261..10412, 10526..10595, 10684..10803, 11746..11843, 11849..11942, 12149..12259, 12379..12456, 12979..13095, 13467..13562, 14228..14383		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19695	Strand	-
Start	4369	End	14383
Name	OJ990810_08.0103.C12.o2.gp	Method	AAT/GAP
Start	8160	End	8869
GI	2276033	Score	796
Exons	8160..8409, 8552..8626, 8732..8869		
GI Descrip.	4539321/emb|CAB38822.1| 6.0e-17 (AL035679) putative protein [Arabidopsis thaliana]		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19695	Strand	-
Start	4369	End	14383
Name	OJ990810_08.0103.C12.o1.np	Method	AAT/NAP
Start	8236	End	11799
GI	3096935	Score	832
Exons	8236..8402, 8552..8600, 8706..8887, 9009..9082, 9153..9378, 9980..10081, 10261..10412, 10526..10595, 10684..10809, 11746..11799		
GI Descrip.	(AL023094) putative protein [Arabidopsis thaliana]		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o4.tm	Method	TBLASTX:Maize

Start	8282	End	8765
GI	none	Score	163
Exons	8282..8410, 8287..8412, 8288..8410, 8549..8629, 8557..8628, 8712..8762, 8721..8765		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o4.ts	Method	TBLASTX:Soybean
Start	8287	End	8629
GI	none	Score	126
Exons	8287..8424, 8309..8401, 8549..8629		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	8344	End	9269
GI	none	Score	111
Exons	8344..8412, 8351..8410, 8536..8628, 8549..8641, 8549..8629, 8705..8887, 8718..8888, 8721..8888, 8997..9074, 9010..9087, 9014..9088, 9015..9107, 9160..9267, 9177..9269, 9178..9267		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	9175	End	10776
GI	none	Score	100
Exons	9175..9378, 9176..9403, 9980..10084, 9980..10093, 9981..10091, 10257..10415, 10258..10416, 10259..10420, 10501..10602, 10524..10610, 10524..10601, 10666..10776, 10691..10774		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o2.tm	Method	TBLASTX:Maize
Start	9980	End	11803
GI	none	Score	123
Exons	9980..10084, 9980..10090, 9984..10091, 10247..10420, 10258..10416, 10260..10427, 10524..10598, 10525..10596, 10527..10601, 10535..10606, 10666..10776, 10685..10777, 10784..10807, 11746..11802, 11750..11803		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o3.tm	Method	TBLASTX:Maize
Start	19922	End	20339
GI	none	Score	142
Exons	19922..20098, 19923..20066, 20087..20128, 20223..20312, 20224..20298, 20241..20339		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o1.tm	Method	TBLASTX:Maize

Start	25481	End	27212
GI	none	Score	79
Exons	25481..25534, 25820..25969, 25839..26036, 25994..26089, 25995..26147, 26375..26494, 26398..26520, 26701..26913, 26712..26912, 26967..27056, 27003..27068, 27005..27067, 27056..27211, 27060..27212, 27063..27212		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o5.ts	Method	TBLASTX:Soybean
Start	25824	End	26087
GI	4260377	Score	188
Exons	25824..26036, 25841..25969, 25994..26086, 25995..26087		
GI Descrip.	2160169 3.0e-26 (AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	25872	End	27269
GI	none	Score	156
Exons	25872..26036, 25883..25969, 25994..26146, 25995..26147, 26251..26271, 26375..26494, 26398..26517, 26542..26565, 26674..26922, 26712..26903, 27001..27045, 27003..27062, 27059..27226, 27060..27269		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o2.ts	Method	TBLASTX:Soybean
Start	26701	End	27062
GI	none	Score	288
Exons	26701..26922, 26712..26900, 26985..27062		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o2.tw	Method	TBLASTX:Wheat
Start	26701	End	26835
GI	none	Score	209
Exons	26701..26835, 26712..26834		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o3.ts	Method	TBLASTX:Soybean
Start	27063	End	27263
GI	none	Score	226
Exons	27063..27263, 27065..27226		

Seq. No.	9202	Seq. ID	OJ990810_08.0103.C12
Gene No.	19696	Strand	-
Start	28665	End	29098
Name	OJ990810_08.0103.C12.o4.gp	Method	AAT/GAP
Start	28665	End	29098

GI	LIB3432-022-P1-K1-A8	Score	829
Exons	28665..29098		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 6.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	9203	Seq. ID	OJ990810_08.0103.C13
Gene No.	19697	Strand	+
Start	283	End	408
Name	OJ990810_08.0103.C13.o1.gs	Method	GENSCAN
Start	283	End	408
GI	none	Score	.62
Exons	283..408		

Seq. No.	9204	Seq. ID	OJ990810_08.0103.C14
Gene No.	19698	Strand	-
Start	1	End	670
Name	OJ990810_08.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	670
GI	5902444	Score	489
Exons	1..670		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9204	Seq. ID	OJ990810_08.0103.C14
Gene No.	19698	Strand	-
Start	1	End	670
Name	OJ990810_08.0103.C14.o1.gs	Method	GENSCAN
Start	46	End	597
GI	none	Score	.52
Exons	46..310, 339..433, 514..597		

Seq. No.	9204	Seq. ID	OJ990810_08.0103.C14
Gene No.	19698	Strand	-
Start	1	End	670
Name	OJ990810_08.0103.C14.o1.tw	Method	TBLASTX:Wheat
Start	115	End	570
GI	none	Score	75
Exons	115..351, 233..349, 388..570, 461..562		

Seq. No.	9205	Seq. ID	OJ990810_08.0103.C15
Gene No.	19699	Strand	+
Start	1	End	888
Name	OJ990810_08.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	888
GI	4680191	Score	54
Exons	1..168, 870..888		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	9205	Seq. ID	OJ990810_08.0103.C15
Gene No.	19699	Strand	+
Start	1	End	888
Name	OJ990810_08.0103.C15.o1.gs	Method	GENSCAN
Start	76	End	605
GI	none	Score	.42
Exons	76..168, 245..322, 543..605		

Seq. No.	9206	Seq. ID	OJ990810_08.0103.C16

Gene No.	19700	Strand	-
Start	413	End	559
Name	OJ990810_08.0103.C16.o1.gs	Method	GENSCAN
Start	413	End	559
GI	none	Score	.65
Exons	413..559		

Seq. No.	9207	Seq. ID	OJ990810_08.0103.C19
Gene No.	19701	Strand	-
Start	75	End	198
Name	OJ990810_08.0103.C19.o1.gs	Method	GENSCAN
Start	75	End	198
GI	none	Score	.54
Exons	75..198		

Seq. No.	9208	Seq. ID	OJ990810_08.0103.C20
Gene No.	19702	Strand	-
Start	175	End	263
Name	OJ990810_08.0103.C20.o1.gs	Method	GENSCAN
Start	175	End	263
GI	none	Score	.98
Exons	175..263		

Seq. No.	9209	Seq. ID	OJ990810_08.0103.C21
Gene No.	19703	Strand	+
Start	1	End	321
Name	OJ990810_08.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	321
GI	5852181	Score	74
Exons	1..21, 79..321		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	9210	Seq. ID	OJ990810_08.0103.C22
Gene No.	19704	Strand	+
Start	90	End	873
Name	OJ990810_08.0103.C22.o1.gs	Method	GENSCAN
Start	90	End	859
GI	none	Score	.85
Exons	90..208, 304..399, 533..643, 726..859		

Seq. No.	9210	Seq. ID	OJ990810_08.0103.C22
Gene No.	19704	Strand	+
Start	90	End	873
Name	OJ990810_08.0103.C22.o1.np	Method	AAT/NAP
Start	90	End	873
GI	6091746	Score	454
Exons	90..208, 304..399, 533..643, 726..873		
GI Descrip.	(AC010797) putative sulfite oxidase [Arabidopsis thaliana] gi|6513940|gb|AAF14844.1|AC011664_26 (AC011664) sulfite oxidase (SOX) [Arabidopsis thaliana]		

Seq. No.	9210	Seq. ID	OJ990810_08.0103.C22
Gene No.	19704	Strand	+
Start	90	End	873
Name	OJ990810_08.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	133	End	836
GI	none	Score	81

Exons	133..204, 134..205, 299..400, 304..402, 304..402, 305..403, 306..413, 530..613, 530..643, 707..823, 723..836		
Seq. No.	9210	Seq. ID	OJ990810_08.0103.C22
Gene No.	19704	Strand	+
Start	90	End	873
Name	OJ990810_08.0103.C22.o1.ts	Method	TBLASTX:Soybean
Start	170	End	827
GI	none	Score	54
Exons	170..205, 303..398, 303..398, 304..399, 723..827, 725..826		
Seq. No.	9211	Seq. ID	OJ990810_08.0103.C24
Gene No.	19705	Strand	+
Start	262	End	375
Name	OJ990810_08.0103.C24.o1.gs	Method	GENSCAN
Start	262	End	375
GI	none	Score	.75
Exons	262..375		
Seq. No.	9212	Seq. ID	OJ990810_08.0103.C26
Gene No.	19706	Strand	+
Start	351	End	937
Name	OJ990810_08.0103.C26.o1.tm	Method	TBLASTX:Maize
Start	243	End	635
GI	none	Score	44
Exons	243..341, 297..335, 344..475, 345..506, 486..635, 528..635		
Seq. No.	9212	Seq. ID	OJ990810_08.0103.C26
Gene No.	19706	Strand	+
Start	351	End	937
Name	OJ990810_08.0103.C26.o1.tw	Method	TBLASTX:Wheat
Start	294	End	641
GI	none	Score	51
Exons	294..335, 298..336, 301..417, 341..526, 342..506, 495..641, 507..635		
Seq. No.	9212	Seq. ID	OJ990810_08.0103.C26
Gene No.	19706	Strand	+
Start	351	End	937
Name	OJ990810_08.0103.C26.o1.np	Method	AAT/NAP
Start	351	End	937
GI	6539553	Score	465
Exons	351..655, 902..937		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	9213	Seq. ID	OJ990810_08.0103.C27
Gene No.	19707	Strand	+
Start	210	End	377
Name	OJ990810_08.0103.C27.o1.gs	Method	GENSCAN
Start	210	End	377
GI	none	Score	.66
Exons	210..377		
Seq. No.	9213	Seq. ID	OJ990810_08.0103.C27

Gene No.	19708	Strand	+
Start	1223	End	1604
Name	OJ990810_08.0103.C27.o1.gp	Method	AAT/GAP
Start	1223	End	1604
GI	uC-osflcyp033a04b1	Score	663
Exons	1223..1604		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9213	Seq. ID	OJ990810_08.0103.C27
Gene No.	19709	Strand	-
Start	1	End	2153
Name	OJ990810_08.0103.C27.o1.np	Method	AAT/NAP
Start	1	End	2153
GI	5852180	Score	399
Exons	1..295, 347..465, 1453..1523, 2071..2153		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9214	Seq. ID	OJ990810_08.0103.C28
Gene No.	19710	Strand	-
Start	488	End	652
Name	OJ990810_08.0103.C28.o1.gs	Method	GENSCAN
Start	488	End	652
GI	none	Score	.82
Exons	488..533, 650..652		

Seq. No.	9215	Seq. ID	OJ990810_08.0103.C36
Gene No.	19711	Strand	-
Start	213	End	628
Name	OJ990810_08.0103.C36.o1.gs	Method	GENSCAN
Start	213	End	628
GI	none	Score	.93
Exons	213..628		

Seq. No.	9216	Seq. ID	OJ990810_08.0103.C38
Gene No.	19712	Strand	-
Start	10	End	1081
Name	OJ990810_08.0103.C38.o1.gs	Method	GENSCAN
Start	10	End	1081
GI	none	Score	.44
Exons	10..99, 976..1081		

Seq. No.	9217	Seq. ID	OJ990810_08.0103.C40
Gene No.	19713	Strand	-
Start	28	End	546
Name	OJ990810_08.0103.C40.o1.gs	Method	GENSCAN
Start	28	End	546
GI	none	Score	.74
Exons	28..380, 459..546		

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o1.gs	Method	GENSCAN
Start	358	End	1584
GI	none	Score	.99
Exons	358..1584		

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o1.np	Method	AAT/NAP
Start	391	End	1599
GI	6523083	Score	941
Exons	391..1599		
GI Descrip.	(AL133315) cytochrome P450-like protein [Arabidopsis thaliana]		

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o2.tc	Method	TBLASTX:Cress
Start	496	End	705
GI	none	Score	237
Exons	496..705, 561..698		

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o1.ts	Method	TBLASTX:Soybean
Start	499	End	813
GI	none	Score	276
Exons	499..813, 558..806, 595..810		

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o1.tm	Method	TBLASTX:Maize
Start	532	End	831
GI	none	Score	264
Exons	532..813, 567..812, 595..831		

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o1.tc	Method	TBLASTX:Cress
Start	1090	End	1554
GI	none	Score	84
Exons	1090..1179, 1225..1410, 1260..1367, 1492..1530, 1531..1554		

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o2.tm	Method	TBLASTX:Maize
Start	1090	End	1596
GI	none	Score	87
Exons	1090..1239, 1270..1407, 1272..1358, 1486..1596, 1488..1595		

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o2.ts	Method	TBLASTX:Soybean
Start	1090	End	1596
GI	none	Score	87
Exons	1090..1179, 1092..1172, 1234..1419, 1290..1355, 1471..1596,		

1488..1595

Seq. No.	9218	Seq. ID	OJ990810_08.0103.C41
Gene No.	19714	Strand	+
Start	358	End	1599
Name	OJ990810_08.0103.C41.o1.tw	Method	TBLASTX:Wheat
Start	1270	End	1596
GI	none	Score	123
Exons	1270..1407, 1272..1358, 1486..1596, 1491..1595		

Seq. No.	9219	Seq. ID	OJ990810_08.0103.C42
Gene No.	19715	Strand	-
Start	339	End	466
Name	OJ990810_08.0103.C42.o1.gs	Method	GENSCAN
Start	339	End	466
GI	none	Score	.78
Exons	339..466		

Seq. No.	9220	Seq. ID	OJ990810_08.0103.C43
Gene No.	19716	Strand	+
Start	204	End	711
Name	OJ990810_08.0103.C43.o1.gs	Method	GENSCAN
Start	204	End	711
GI	none	Score	.62
Exons	204..223, 639..711		

Seq. No.	9221	Seq. ID	OJ990810_08.0103.C44
Gene No.	19717	Strand	-
Start	267	End	346
Name	OJ990810_08.0103.C44.o1.gs	Method	GENSCAN
Start	267	End	346
GI	none	Score	.69
Exons	267..346		

Seq. No.	9222	Seq. ID	OJ990810_08.0103.C45
Gene No.	19718	Strand	-
Start	1040	End	1925
Name	OJ990810_08.0103.C45.o1.tw	Method	TBLASTX:Wheat
Start	1032	End	1333
GI	none	Score	87
Exons	1032..1163, 1037..1168, 1164..1328, 1220..1333		

Seq. No.	9222	Seq. ID	OJ990810_08.0103.C45
Gene No.	19718	Strand	-
Start	1040	End	1925
Name	OJ990810_08.0103.C45.o1.ts	Method	TBLASTX:Soybean
Start	1034	End	1337
GI	none	Score	112
Exons	1034..1336, 1035..1151, 1227..1337		

Seq. No.	9222	Seq. ID	OJ990810_08.0103.C45
Gene No.	19718	Strand	-
Start	1040	End	1925
Name	OJ990810_08.0103.C45.o1.tm	Method	TBLASTX:Maize
Start	1037	End	1348
GI	none	Score	302
Exons	1037..1348, 1041..1337		

Seq. No.	9222	Seq. ID	OJ990810_08.0103.C45
Gene No.	19718	Strand	-
Start	1040	End	1925
Name	OJ990810_08.0103.C45.o1.np	Method	AAT/NAP
Start	1040	End	1925
GI	1353193	Score	379
Exons	1040..1336, 1895..1925		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	9223	Seq. ID	OJ990810_08.0103.C46
Gene No.	19719	Strand	-
Start	1	End	363
Name	OJ990810_08.0103.C46.o1.gp	Method	AAT/GAP
Start	1	End	363
GI	3767006	Score	695
Exons	1..363		
GI Descrip.	1353193/sp|P47917|ZRP4_MAIZE 4.0e-09 O-METHYLTRANSFERASE ZRP4 (OMT) >gi_542186_pir__JQ2268 O-methyltransferase (EC 2.1.1.-) - maize >gi_404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	9223	Seq. ID	OJ990810_08.0103.C46
Gene No.	19719	Strand	-
Start	1	End	363
Name	OJ990810_08.0103.C46.o1.np	Method	AAT/NAP
Start	1	End	338
GI	1353193	Score	238
Exons	1..338		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	9223	Seq. ID	OJ990810_08.0103.C46
Gene No.	19719	Strand	-
Start	1	End	363
Name	OJ990810_08.0103.C46.o1.tm	Method	TBLASTX:Maize
Start	1	End	302
GI	none	Score	64
Exons	1..93, 2..76, 7..171, 72..155, 75..302, 88..165, 223..270		

Seq. No.	9223	Seq. ID	OJ990810_08.0103.C46
Gene No.	19719	Strand	-
Start	1	End	363
Name	OJ990810_08.0103.C46.o1.gs	Method	GENSCAN
Start	39	End	341
GI	none	Score	.99
Exons	39..341		

Seq. No.	9223	Seq. ID	OJ990810_08.0103.C46
Gene No.	19719	Strand	-
Start	1	End	363
Name	OJ990810_08.0103.C46.o1.tw	Method	TBLASTX:Wheat
Start	81	End	300
GI	none	Score	82
Exons	81..155, 81..299, 82..162, 223..300		

Seq. No.	9224	Seq. ID	OJ990810_08.0103.C47
Gene No.	19720	Strand	+
Start	1	End	1438
Name	OJ990810_08.0103.C47.o1.np	Method	AAT/NAP
Start	1	End	743
GI	5902445	Score	664
Exons	1..743		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9224	Seq. ID	OJ990810_08.0103.C47
Gene No.	19720	Strand	+
Start	1	End	1438
Name	OJ990810_08.0103.C47.o1.tw	Method	TBLASTX:Wheat
Start	124	End	734
GI	none	Score	319
Exons	124..192, 126..578, 131..229,	275..382, 603..734, 608..733	

Seq. No.	9224	Seq. ID	OJ990810_08.0103.C47
Gene No.	19720	Strand	+
Start	1	End	1438
Name	OJ990810_08.0103.C47.o1.gs	Method	GENSCAN
Start	198	End	1438
GI	none	Score	.61
Exons	198..396, 499..729, 863..990,	1325..1438	

Seq. No.	9224	Seq. ID	OJ990810_08.0103.C47
Gene No.	19720	Strand	+
Start	1	End	1438
Name	OJ990810_08.0103.C47.o1.tm	Method	TBLASTX:Maize
Start	432	End	698
GI	none	Score	134
Exons	432..614, 461..613, 605..697,	615..698	

Seq. No.	9225	Seq. ID	OJ990810_08.0103.C48
Gene No.	19721	Strand	+
Start	59	End	450
Name	OJ990810_08.0103.C48.o1.tw	Method	TBLASTX:Wheat
Start	16	End	414
GI	none	Score	183
Exons	16..339, 334..414		

Seq. No.	9225	Seq. ID	OJ990810_08.0103.C48
Gene No.	19721	Strand	+
Start	59	End	450
Name	OJ990810_08.0103.C48.o1.gs	Method	GENSCAN
Start	59	End	450
GI	none	Score	.58
Exons	59..450		

Seq. No.	9225	Seq. ID	OJ990810_08.0103.C48
Gene No.	19721	Strand	+
Start	59	End	450
Name	OJ990810_08.0103.C48.o1.ts	Method	TBLASTX:Soybean
Start	199	End	435
GI	none	Score	162
Exons	199..342, 201..332, 334..435,	400..429	

Seq. No.	9226	Seq. ID	OJ990810_08.0103.C51
Gene No.	19722	Strand	-
Start	1	End	233
Name	OJ990810_08.0103.C51.o1.np	Method	AAT/NAP
Start	1	End	233
GI	5902445	Score	297
Exons	1..233		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9226	Seq. ID	OJ990810_08.0103.C51
Gene No.	19722	Strand	-
Start	1	End	233
Name	OJ990810_08.0103.C51.o1.tw	Method	TBLASTX:Wheat
Start	4	End	232
GI	none	Score	202
Exons	4..231, 17..232		

Seq. No.	9226	Seq. ID	OJ990810_08.0103.C51
Gene No.	19722	Strand	-
Start	1	End	233
Name	OJ990810_08.0103.C51.o1.ts	Method	TBLASTX:Soybean
Start	16	End	232
GI	none	Score	89
Exons	16..231, 107..232		

Seq. No.	9226	Seq. ID	OJ990810_08.0103.C51
Gene No.	19722	Strand	-
Start	1	End	233
Name	OJ990810_08.0103.C51.o1.tm	Method	TBLASTX:Maize
Start	19	End	232
GI	none	Score	119
Exons	19..231, 20..232		

Seq. No.	9226	Seq. ID	OJ990810_08.0103.C51
Gene No.	19722	Strand	-
Start	1	End	233
Name	OJ990810_08.0103.C51.o1.gs	Method	GENSCAN
Start	71	End	181
GI	none	Score	.4
Exons	71..181		

Seq. No.	9227	Seq. ID	OJ990810_08.0103.C52
Gene No.	19723	Strand	-
Start	413	End	493
Name	OJ990810_08.0103.C52.o1.gs	Method	GENSCAN
Start	413	End	493
GI	none	Score	.4
Exons	413..493		

Seq. No.	9228	Seq. ID	OJ990810_08.0103.C54
Gene No.	19724	Strand	+
Start	532	End	1091
Name	OJ990810_08.0103.C54.o1.gs	Method	GENSCAN
Start	532	End	1091
GI	none	Score	.5
Exons	532..804, 1028..1091		

Seq. No.	9229	Seq. ID	OJ990810_08.0103.C55
Gene No.	19725	Strand	-
Start	302	End	420
Name	OJ990810_08.0103.C55.o1.gs	Method	GENSCAN
Start	302	End	420
GI	none	Score	.43
Exons	302..420		

Seq. No.	9230	Seq. ID	OJ990810_08.0103.C58
Gene No.	19726	Strand	+
Start	224	End	293
Name	OJ990810_08.0103.C58.o1.gs	Method	GENSCAN
Start	224	End	293
GI	none	Score	.78
Exons	224..293		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19727	Strand	+
Start	5043	End	8184
Name	OJ990810_01.0103.C1.o1.np	Method	AAT/NAP
Start	5043	End	8181
GI	6907089	Score	4446
Exons	5043..6304, 6399..8181		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19727	Strand	+
Start	5043	End	8184
Name	OJ990810_01.0103.C1.o2.gs	Method	GENSCAN
Start	5043	End	8184
GI	none	Score	.88
Exons	5043..5096, 5298..5468, 5484..6277, 6399..8184		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19728	Strand	+
Start	11782	End	17222
Name	OJ990810_01.0103.C1.o3.np	Method	AAT/NAP
Start	11782	End	17004
GI	5852180	Score	798
Exons	11782..11823, 15360..15430, 16420..16536, 16589..17004		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19728	Strand	+
Start	11782	End	17222
Name	OJ990810_01.0103.C1.o5.gs	Method	GENSCAN
Start	15624	End	17222
GI	none	Score	.99
Exons	15624..15684, 16420..17222		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19729	Strand	+
Start	22265	End	23398
Name	OJ990810_01.0103.C1.o8.gs	Method	GENSCAN
Start	22265	End	23398
GI	none	Score	.75

Exons	22265..23398		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19730	Strand	-
Start	891	End	4762
Name	OJ990810_01.0103.C1.o1.gs	Method	GENSCAN
Start	891	End	4762
GI	none	Score	.62
Exons	891..993, 1650..1678, 1768..2017, 3300..3470, 3812..3901, 4001..4073, 4659..4762		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19730	Strand	-
Start	891	End	4762
Name	OJ990810_01.0103.C1.o1.gp	Method	AAT/GAP
Start	3533	End	3953
GI	uC-osflcyp172a09a1	Score	640
Exons	3533..3560, 3590..3953		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o3.gs	Method	GENSCAN
Start	8815	End	11446
GI	none	Score	.7
Exons	8815..10368, 10413..11282, 11300..11446		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o2.np	Method	AAT/NAP
Start	8818	End	14451
GI	6498441	Score	6923
Exons	8818..9099, 9193..10568, 10740..11036, 11229..11655, 11828..11962, 12146..12519, 12583..13046, 13388..14451		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o7.tw	Method	TBLASTX:Wheat
Start	8827	End	9429
GI	none	Score	83
Exons	8827..8952, 8831..8953, 9056..9427, 9145..9429, 9146..9424		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o3.tw	Method	TBLASTX:Wheat
Start	9430	End	9811
GI	none	Score	170
Exons	9430..9810, 9461..9709, 9469..9807, 9755..9811		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	9625	End	9948
GI	none	Score	201
Exons	9625..9948, 9638..9919		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o5.tw	Method	TBLASTX:Wheat
Start	10434	End	10892
GI	none	Score	91
Exons	10434..10583, 10435..10572, 10627..10803, 10644..10892, 10644..10868		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	11493	End	11862
GI	none	Score	77
Exons	11493..11723, 11728..11862, 11729..11845		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	11523	End	11941
GI	none	Score	114
Exons	11523..11723, 11548..11724, 11707..11886, 11722..11940, 11723..11941		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	11616	End	11998
GI	none	Score	190
Exons	11616..11723, 11722..11997, 11723..11998		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o4.gs	Method	GENSCAN
Start	11710	End	14605
GI	none	Score	.65
Exons	11710..12519, 12583..13069, 13150..13874, 13892..14004, 14158..14605		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	12025	End	12381
GI	none	Score	132

Exons	12025..12330, 12025..12381, 12035..12346		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	12049	End	12512
GI	none	Score	233
Exons	12049..12510, 12055..12510, 12056..12511, 12069..12512		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	12106	End	12471
GI	none	Score	118
Exons	12106..12240, 12247..12471		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o4.np	Method	AAT/NAP
Start	12485	End	19674
GI	2129478	Score	100
Exons	12485..12519, 16766..17045, 17241..17336, 18005..18190, 19647..19674		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o4.tw	Method	TBLASTX:Wheat
Start	12676	End	13172
GI	none	Score	152
Exons	12676..13044, 12707..12967, 13068..13172		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o6.tw	Method	TBLASTX:Wheat
Start	13910	End	14302
GI	none	Score	93
Exons	13910..14167, 13944..14183, 14150..14248, 14151..14243, 14255..14302		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o4.tm	Method	TBLASTX:Maize
Start	14012	End	14297
GI	none	Score	82
Exons	14012..14260, 14013..14297		
Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-

Start	8815	End	27729
Name	OJ990810_01.0103.C1.o2.gp	Method	AAT/GAP
Start	15279	End	15664
GI	uC-osflcyp033a04b1	Score	661
Exons	15279..15664		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o6.gs	Method	GENSCAN
Start	17681	End	20212
GI	none	Score	.48
Exons	17681..18169, 18199..18405, 18747..18836, 18936..19008, 20032..20110, 20164..20212		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o5.np	Method	AAT/NAP
Start	18352	End	26366
GI	5042454	Score	217
Exons	18352..18405, 18747..18922, 19148..19365, 24367..24521, 24731..24787, 26292..26366		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o4.gp	Method	AAT/GAP
Start	18468	End	18888
GI	uC-osflcyp172a09a1	Score	640
Exons	18468..18495, 18525..18888		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o7.gs	Method	GENSCAN
Start	20755	End	21771
GI	none	Score	1
Exons	20755..21771		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-
Start	8815	End	27729
Name	OJ990810_01.0103.C1.o9.gs	Method	GENSCAN
Start	24184	End	27723
GI	none	Score	.86
Exons	24184..24858, 25153..25207, 25381..25493, 25531..25661, 26058..26115, 26611..26722, 26805..26910, 27422..27491, 27613..27723		

Seq. No.	9231	Seq. ID	OJ990810_01.0103.C1
Gene No.	19731	Strand	-

Start	8815	End	27729
Name	OJ990810_01.0103.C1.o6.np	Method	AAT/NAP
Start	24546	End	27729
GI	4559345	Score	249
Exons	24546..24595, 24743..24858, 25156..25207, 25381..25433, 25531..25632, 25786..25890, 25996..26107, 26548..26722, 26805..26910, 27422..27491, 27613..27729		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	9232	Seq. ID	OJ990810_01.0103.C2
Gene No.	19732	Strand	-
Start	618	End	1004
Name	OJ990810_01.0103.C2.o1.gp	Method	AAT/GAP
Start	618	End	1004
GI	3767784	Score	701
Exons	618..1004		

Seq. No.	9232	Seq. ID	OJ990810_01.0103.C2
Gene No.	19732	Strand	-
Start	618	End	1004
Name	OJ990810_01.0103.C2.o2.gs	Method	GENSCAN
Start	849	End	1004
GI	none	Score	.78
Exons	849..1004		

Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	211	End	440
GI	none	Score	37
Exons	211..240, 243..440, 246..341, 334..429		

Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o1.gs	Method	GENSCAN
Start	216	End	1418
GI	none	Score	.57
Exons	216..1418		

Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o1.np	Method	AAT/NAP
Start	219	End	1560
GI	4680179	Score	1988
Exons	219..1560		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o3.tw	Method	TBLASTX:Wheat
Start	264	End	597
GI	none	Score	123

Exons	264..596, 285..593, 328..597		
Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	444	End	1043
GI	none	Score	117
Exons	444..884, 459..716, 460..885, 800..889, 882..1043, 889..1035		
Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	597	End	1223
GI	none	Score	59
Exons	597..1223, 600..713, 709..1167		
Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	1092	End	1384
GI	none	Score	209
Exons	1092..1382, 1096..1383, 1223..1384		
Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	1182	End	1442
GI	none	Score	154
Exons	1182..1442, 1183..1437		
Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	1206	End	1523
GI	none	Score	83
Exons	1206..1349, 1207..1347, 1350..1523		
Seq. No.	9233	Seq. ID	OJ990810_01.0103.C3
Gene No.	19733	Strand	-
Start	216	End	1560
Name	OJ990810_01.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	1230	End	1553
GI	none	Score	243
Exons	1230..1553, 1231..1551, 1236..1553		
Seq. No.	9234	Seq. ID	OJ990810_01.0103.C4
Gene No.	19734	Strand	-
Start	1	End	828
Name	OJ990810_01.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	649
GI	6721562	Score	951
Exons	1..649		

GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		
Seq. No.	9234	Seq. ID	OJ990810_01.0103.C4
Gene No.	19734	Strand	-
Start	1	End	828
Name	OJ990810_01.0103.C4.o1.gs	Method	GENSCAN
Start	67	End	828
GI	none	Score	.56
Exons	67..694, 760..828		
Seq. No.	9235	Seq. ID	OJ990810_01.0103.C5
Gene No.	19735	Strand	-
Start	37	End	134
Name	OJ990810_01.0103.C5.o1.gs	Method	GENSCAN
Start	37	End	134
GI	none	Score	.6
Exons	37..134		
Seq. No.	9236	Seq. ID	OJ990810_01.0103.C6
Gene No.	19736	Strand	+
Start	165	End	222
Name	OJ990810_01.0103.C6.o1.gs	Method	GENSCAN
Start	165	End	222
GI	none	Score	.45
Exons	165..222		
Seq. No.	9237	Seq. ID	OJ990810_01.0103.C7
Gene No.	19737	Strand	+
Start	1	End	837
Name	OJ990810_01.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	699
GI	1654186	Score	129
Exons	1..171, 284..364, 462..699		
GI Descrip.	(U49385) CTP synthetase homolog [Mus musculus]		
Seq. No.	9237	Seq. ID	OJ990810_01.0103.C7
Gene No.	19737	Strand	+
Start	1	End	837
Name	OJ990810_01.0103.C7.o1.gs	Method	GENSCAN
Start	123	End	837
GI	none	Score	.96
Exons	123..171, 284..364, 462..555, 716..837		
Seq. No.	9237	Seq. ID	OJ990810_01.0103.C7
Gene No.	19738	Strand	+
Start	2221	End	3531
Name	OJ990810_01.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	124	End	557
GI	none	Score	61
Exons	124..174, 281..367, 461..556, 462..557		
Seq. No.	9237	Seq. ID	OJ990810_01.0103.C7
Gene No.	19738	Strand	+

Start	2221	End	3531
Name	OJ990810_01.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	124	End	777
GI	none	Score	36
Exons	124..153, 151..174, 281..367, 283..351, 459..539, 461..556, 462..557, 705..761, 715..777		

Seq. No.	9237	Seq. ID	OJ990810_01.0103.C7
Gene No.	19738	Strand	+
Start	2221	End	3531
Name	OJ990810_01.0103.C7.o2.np	Method	AAT/NAP
Start	1982	End	2391
GI	6634727	Score	56
Exons	1982..2022, 2214..2391		
GI Descrip.	(AC012463) T2E6.12 [Arabidopsis thaliana]		

Seq. No.	9237	Seq. ID	OJ990810_01.0103.C7
Gene No.	19738	Strand	+
Start	2221	End	3531
Name	OJ990810_01.0103.C7.o2.gs	Method	GENSCAN
Start	2221	End	3531
GI	none	Score	.86
Exons	2221..3531		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19739	Strand	+
Start	3608	End	4006
Name	OJ990810_01.0103.C8.o2.gp	Method	AAT/GAP
Start	3608	End	4006
GI	uC-osf1M202064d03a1	Score	759
Exons	3608..4006		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 6.0e-24 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19740	Strand	-
Start	239	End	1902
Name	OJ990810_01.0103.C8.o1.gs	Method	GENSCAN
Start	239	End	1876
GI	none	Score	.6
Exons	239..358, 486..626, 1108..1238, 1342..1876		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19740	Strand	-
Start	239	End	1902
Name	OJ990810_01.0103.C8.o1.gp	Method	AAT/GAP
Start	777	End	1902
GI	844_1.R1084	Score	1978
Exons	777..1238, 1342..1902		
GI Descrip.	'4105683 1.0e-131 (AF049892) unknown [Oryza sativa] >gi_4105692 (AF050155) embryo-specific protein [Oryza sativa subsp. indica]'		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19740	Strand	-
Start	239	End	1902
Name	OJ990810_01.0103.C8.o1.np	Method	AAT/NAP

Start	1060	End	1876
GI	4105683	Score	1249
Exons	1060..1238, 1342..1876		
GI Descrip.	(AF049892) unknown [Oryza sativa] gi|4105692 (AF050155) embryo-specific protein [Oryza sativa subsp. indica]		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	1057	End	1502
GI	none	Score	219
Exons	1057..1236, 1058..1237, 1101..1244, 1331..1414, 1347..1415, 1418..1501, 1419..1502		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	1331	End	1795
GI	none	Score	92
Exons	1331..1795, 1337..1459, 1365..1559, 1553..1792, 1608..1793		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	1460	End	1852
GI	none	Score	324
Exons	1460..1852, 1461..1778, 1553..1789		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	1508	End	1883
GI	none	Score	74
Exons	1508..1579, 1509..1559, 1559..1792, 1559..1864, 1605..1883		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o2.gs	Method	GENSCAN
Start	2623	End	5914
GI	none	Score	.6
Exons	2623..2769, 2929..3005, 3010..3180, 3801..3995, 4079..4178, 5618..5692, 5708..5914		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o2.np	Method	AAT/NAP
Start	3790	End	5914
GI	6850852	Score	1020
Exons	3790..3995, 4079..4178, 4333..4435, 4537..4671, 4932..5095, 5221..5277, 5618..5692, 5804..5914		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	3797	End	4433
GI	none	Score	223
Exons	3797..4048, 3799..3996, 4076..4180, 4080..4181, 4080..4181, 4321..4425, 4330..4428, 4331..4426, 4332..4433		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o2.ts	Method	TBLASTX:Soybean
Start	3807	End	4181
GI	none	Score	115
Exons	3807..3995, 3811..3993, 3812..4021, 3849..3995, 4080..4181, 4081..4179		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o2.tc	Method	TBLASTX:Cress
Start	3808	End	4181
GI	none	Score	103
Exons	3808..3993, 3818..3994, 4083..4181		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o3.tc	Method	TBLASTX:Cress
Start	4310	End	4969
GI	none	Score	61
Exons	4310..4381, 4321..4437, 4331..4372, 4539..4679, 4566..4694, 4922..4969		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o3.ts	Method	TBLASTX:Soybean
Start	4336	End	4676
GI	none	Score	118
Exons	4336..4437, 4336..4437, 4338..4454, 4537..4674, 4537..4671, 4539..4676		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914
Name	OJ990810_01.0103.C8.o4.tm	Method	TBLASTX:Maize
Start	4528	End	5257
GI	none	Score	177
Exons	4528..4671, 4539..4670, 4917..5096, 4922..5098, 4933..5097, 5019..5099, 5198..5257, 5221..5256		

Seq. No.	9238	Seq. ID	OJ990810_01.0103.C8
Gene No.	19741	Strand	-
Start	2623	End	5914

Name	OJ990810_01.0103.C8.o4.ts	Method	TBLASTX:Soybean
Start	4917	End	5695
GI	none	Score	158
Exons	4917..5126, 4922..5098, 5040..5114, 5198..5278, 5221..5280, 5221..5292, 5618..5695, 5634..5687		

Seq. No.	9239	Seq. ID	OJ990810_01.0103.C10
Gene No.	19742	Strand	-
Start	44	End	811
Name	OJ990810_01.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	1	End	547
GI	none	Score	52
Exons	1..81, 1..81, 172..261, 173..259, 242..361, 242..394, 249..392, 413..547, 414..539		

Seq. No.	9239	Seq. ID	OJ990810_01.0103.C10
Gene No.	19742	Strand	-
Start	44	End	811
Name	OJ990810_01.0103.C10.o1.gs	Method	GENSCAN
Start	44	End	811
GI	none	Score	.71
Exons	44..79, 271..811		

Seq. No.	9239	Seq. ID	OJ990810_01.0103.C10
Gene No.	19742	Strand	-
Start	44	End	811
Name	OJ990810_01.0103.C10.o1.gp	Method	AAT/GAP
Start	161	End	563
GI	none	Score	726
Exons	161..563		

Seq. No.	9239	Seq. ID	OJ990810_01.0103.C10
Gene No.	19742	Strand	-
Start	44	End	811
Name	OJ990810_01.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	405	End	694
GI	none	Score	352
Exons	405..683, 406..693, 407..694, 407..694		

Seq. No.	9240	Seq. ID	OJ990810_01.0103.C11
Gene No.	19743	Strand	+
Start	5493	End	6097
Name	OJ990810_01.0103.C11.o1.np	Method	AAT/NAP
Start	5493	End	6097
GI	6728966	Score	614
Exons	5493..6097		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	9240	Seq. ID	OJ990810_01.0103.C11
Gene No.	19744	Strand	-
Start	1009	End	3060
Name	OJ990810_01.0103.C11.o1.gs	Method	GENSCAN
Start	1009	End	3060
GI	none	Score	.96
Exons	1009..1194, 1763..1825, 2063..2465, 2675..3060		

Seq. No.	9240	Seq. ID	OJ990810_01.0103.C11

Gene No.	19744	Strand	-
Start	1009	End	3060
Name	OJ990810_01.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	2722	End	3060
GI	none	Score	84
Exons	2722..2838, 2723..2806, 2757..2876, 2872..3060, 2878..3060		

Seq. No.	9240	Seq. ID	OJ990810_01.0103.C11
Gene No.	19745	Strand	
Start	5481	End	6115
Name	OJ990810_01.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	5481	End	6115
GI	none	Score	158
Exons	5481..5795, 5482..5631, 5493..6044, 5871..6089, 5936..6115, 6031..6087		

Seq. No.	9240	Seq. ID	OJ990810_01.0103.C11
Gene No.	19745	Strand	
Start	5481	End	6115
Name	OJ990810_01.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	5490	End	6097
GI	none	Score	181
Exons	5490..5690, 5493..5621, 5614..5655, 5681..5779, 5691..6032, 5753..6088, 5863..6087, 5871..6089, 5936..6097		

Seq. No.	9241	Seq. ID	OJ990810_01.0103.C12
Gene No.	19746	Strand	+
Start	234	End	805
Name	OJ990810_01.0103.C12.o1.np	Method	AAT/NAP
Start	234	End	805
GI	4926827	Score	205
Exons	234..288, 392..512, 581..805		
GI Descrip.	(AC004135) T17H7.12 [Arabidopsis thaliana]		

Seq. No.	9241	Seq. ID	OJ990810_01.0103.C12
Gene No.	19746	Strand	+
Start	234	End	805
Name	OJ990810_01.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	234	End	717
GI	none	Score	76
Exons	234..290, 235..291, 389..514, 389..514, 390..524, 658..717		

Seq. No.	9241	Seq. ID	OJ990810_01.0103.C12
Gene No.	19746	Strand	+
Start	234	End	805
Name	OJ990810_01.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	235	End	514
GI	none	Score	74
Exons	235..291, 240..290, 380..514, 389..514		

Seq. No.	9241	Seq. ID	OJ990810_01.0103.C12
Gene No.	19746	Strand	+
Start	234	End	805
Name	OJ990810_01.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	241	End	717
GI	none	Score	73
Exons	241..291, 246..290, 389..514, 389..514, 658..717		

Seq. No.	9241	Seq. ID	OJ990810_01.0103.C12
Gene No.	19746	Strand	+
Start	234	End	805
Name	OJ990810_01.0103.C12.o1.gs	Method	GENSCAN
Start	392	End	509
GI	none	Score	.4
Exons	392..509		

Seq. No.	9242	Seq. ID	OJ990810_01.0103.C15
Gene No.	19747	Strand	-
Start	145	End	269
Name	OJ990810_01.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	128	End	263
GI	none	Score	81
Exons	128..262, 147..263		

Seq. No.	9242	Seq. ID	OJ990810_01.0103.C15
Gene No.	19747	Strand	-
Start	145	End	269
Name	OJ990810_01.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	128	End	269
GI	none	Score	103
Exons	128..268, 129..269		

Seq. No.	9242	Seq. ID	OJ990810_01.0103.C15
Gene No.	19747	Strand	-
Start	145	End	269
Name	OJ990810_01.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	129	End	266
GI	none	Score	97
Exons	129..266, 137..265		

Seq. No.	9242	Seq. ID	OJ990810_01.0103.C15
Gene No.	19747	Strand	-
Start	145	End	269
Name	OJ990810_01.0103.C15.o1.np	Method	AAT/NAP
Start	145	End	262
GI	4926827	Score	154
Exons	145..262		
GI Descrip.	(AC004135) T17H7.12 [Arabidopsis thaliana]		

Seq. No.	9243	Seq. ID	OJ990810_01.0103.C16
Gene No.	19748	Strand	-
Start	192	End	1000
Name	OJ990810_01.0103.C16.o1.gs	Method	GENSCAN
Start	192	End	1000
GI	none	Score	.92
Exons	192..1000		

Seq. No.	9244	Seq. ID	OJ990810_01.0103.C17
Gene No.	19749	Strand	+
Start	1	End	463
Name	OJ990810_01.0103.C17.o1.np	Method	AAT/NAP
Start	1	End	463
GI	4680186	Score	307
Exons	1..39, 263..463		

GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	9244	Seq. ID	OJ990810_01.0103.C17
Gene No.	19750	Strand	-
Start	13	End	396
Name	OJ990810_01.0103.C17.o1.gp	Method	AAT/GAP
Start	13	End	396
GI	uC-osflcyp033a04b1	Score	673
Exons	13..396		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	9245	Seq. ID	OJ990810_01.0103.C18
Gene No.	19751	Strand	+
Start	1106	End	4014
Name	OJ990810_01.0103.C18.o1.np	Method	AAT/NAP
Start	1106	End	4014
GI	5852180	Score	557
Exons	1106..1246, 1298..1700, 3938..4014		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	9245	Seq. ID	OJ990810_01.0103.C18
Gene No.	19752	Strand	-
Start	1108	End	1818
Name	OJ990810_01.0103.C18.o1.gs	Method	GENSCAN
Start	1108	End	1818
GI	none	Score	.96
Exons	1108..1818		
Seq. No.	9245	Seq. ID	OJ990810_01.0103.C18
Gene No.	19753	Strand	-
Start	2467	End	3261
Name	OJ990810_01.0103.C18.o2.gs	Method	GENSCAN
Start	2467	End	3261
GI	none	Score	.96
Exons	2467..3261		
Seq. No.	9245	Seq. ID	OJ990810_01.0103.C18
Gene No.	19753	Strand	-
Start	2467	End	3261
Name	OJ990810_01.0103.C18.o2.np	Method	AAT/NAP
Start	2470	End	3261
GI	4512231	Score	1261
Exons	2470..3261		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o1.np	Method	AAT/NAP
Start	1	End	5879
GI	4680179	Score	3514
Exons	1..263, 3299..5879		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+

Start	1	End	5879
Name	OJ990810_01.0103.C19.o1.gs	Method	GENSCAN
Start	2193	End	5778
GI	none	Score	.57
Exons	2193..2787, 3299..5778		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o5.tm	Method	TBLASTX:Maize
Start	3319	End	3642
GI	none	Score	188
Exons	3319..3642		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o5.tw	Method	TBLASTX:Wheat
Start	3325	End	3747
GI	none	Score	162
Exons	3325..3534, 3381..3533, 3579..3692, 3580..3747		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o3.tw	Method	TBLASTX:Wheat
Start	3862	End	4344
GI	none	Score	51
Exons	3862..3912, 3966..4301, 3967..4344		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o4.tm	Method	TBLASTX:Maize
Start	3874	End	4163
GI	none	Score	277
Exons	3874..4161, 3972..4163		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o2.tc	Method	TBLASTX:Cress
Start	3991	End	4308
GI	none	Score	180
Exons	3991..4308		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o2.tm	Method	TBLASTX:Maize
Start	4231	End	4731
GI	none	Score	162
Exons	4231..4410, 4239..4385, 4417..4731, 4557..4610, 4638..4688		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879

Name	OJ990810_01.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	4285	End	4680
GI	none	Score	57
Exons	4285..4317, 4287..4316, 4321..4680, 4323..4361, 4389..4679		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o4.tw	Method	TBLASTX:Wheat
Start	4393	End	4695
GI	none	Score	382
Exons	4393..4695, 4395..4679		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o2.tw	Method	TBLASTX:Wheat
Start	4696	End	5109
GI	none	Score	585
Exons	4696..5109, 4728..5108		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o3.ts	Method	TBLASTX:Soybean
Start	4702	End	4947
GI	none	Score	207
Exons	4702..4947, 4719..4847		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	4767	End	5130
GI	none	Score	482
Exons	4767..5117, 4768..5121, 4768..5130		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o1.tw	Method	TBLASTX:Wheat
Start	5110	End	5688
GI	none	Score	662
Exons	5110..5688, 5130..5687		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	5395	End	5712
GI	none	Score	90
Exons	5395..5568, 5569..5712, 5571..5711		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o2.ts	Method	TBLASTX:Soybean

Start	5476	End	5736
GI	none	Score	296
Exons	5476..5736, 5481..5735		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o3.tm	Method	TBLASTX:Maize
Start	5535	End	5826
GI	none	Score	125
Exons	5535..5738, 5535..5822, 5536..5826		

Seq. No.	9246	Seq. ID	OJ990810_01.0103.C19
Gene No.	19754	Strand	+
Start	1	End	5879
Name	OJ990810_01.0103.C19.o6.tw	Method	TBLASTX:Wheat
Start	5694	End	5877
GI	none	Score	84
Exons	5694..5855, 5694..5873, 5695..5877		

Seq. No.	9247	Seq. ID	OJ990810_01.0103.C20
Gene No.	19755	Strand	-
Start	445	End	1579
Name	OJ990810_01.0103.C20.o1.gs	Method	GENSCAN
Start	445	End	1281
GI	none	Score	.92
Exons	445..1281		

Seq. No.	9247	Seq. ID	OJ990810_01.0103.C20
Gene No.	19755	Strand	-
Start	445	End	1579
Name	OJ990810_01.0103.C20.o1.np	Method	AAT/NAP
Start	448	End	1579
GI	4680179	Score	1742
Exons	448..1579		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9247	Seq. ID	OJ990810_01.0103.C20
Gene No.	19755	Strand	-
Start	445	End	1579
Name	OJ990810_01.0103.C20.o2.tw	Method	TBLASTX:Wheat
Start	493	End	826
GI	none	Score	120
Exons	493..825, 545..826		

Seq. No.	9247	Seq. ID	OJ990810_01.0103.C20
Gene No.	19755	Strand	-
Start	445	End	1579
Name	OJ990810_01.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	688	End	1273
GI	none	Score	104
Exons	688..1113, 689..886, 709..954, 950..1114, 1109..1258, 1111..1272, 1118..1273		

Seq. No.	9247	Seq. ID	OJ990810_01.0103.C20
Gene No.	19755	Strand	-
Start	445	End	1579

Name	OJ990810_01.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	826	End	1452
GI	none	Score	44
Exons	826..1452, 827..886, 947..1393, 1105..1449		

Seq. No.	9247	Seq. ID	OJ990810_01.0103.C20
Gene No.	19755	Strand	-
Start	445	End	1579
Name	OJ990810_01.0103.C20.o2.tm	Method	TBLASTX:Maize
Start	1321	End	1570
GI	none	Score	263
Exons	1321..1569, 1325..1570		

Seq. No.	9247	Seq. ID	OJ990810_01.0103.C20
Gene No.	19755	Strand	-
Start	445	End	1579
Name	OJ990810_01.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	1411	End	1573
GI	none	Score	141
Exons	1411..1572, 1412..1573		

Seq. No.	9247	Seq. ID	OJ990810_01.0103.C20
Gene No.	19755	Strand	-
Start	445	End	1579
Name	OJ990810_01.0103.C20.o3.tw	Method	TBLASTX:Wheat
Start	1459	End	1576
GI	none	Score	122
Exons	1459..1569, 1463..1570, 1463..1576		

Seq. No.	9248	Seq. ID	OJ990810_01.0103.C21
Gene No.	19756	Strand	+
Start	1	End	199
Name	OJ990810_01.0103.C21.o1.gp	Method	AAT/GAP
Start	1	End	199
GI	uC-osf1cyp033a04b1	Score	320
Exons	1..199		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9248	Seq. ID	OJ990810_01.0103.C21
Gene No.	19757	Strand	+
Start	107	End	1211
Name	OJ990810_01.0103.C21.o1.gs	Method	GENSCAN
Start	107	End	1211
GI	none	Score	.68
Exons	107..151, 1082..1211		

Seq. No.	9249	Seq. ID	OJ990810_01.0103.C22
Gene No.	19758	Strand	+
Start	1	End	1159
Name	OJ990810_01.0103.C22.o1.np	Method	AAT/NAP
Start	1	End	1159
GI	4680179	Score	942
Exons	1..741, 775..1159		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9249	Seq. ID	OJ990810_01.0103.C22

Gene No.	19758	Strand	+
Start	1	End	1159
Name	OJ990810_01.0103.C22.o1.gs	Method	GENSCAN
Start	14	End	853
GI	none	Score	.68
Exons	14..68, 86..853		

Seq. No.	9249	Seq. ID	OJ990810_01.0103.C22
Gene No.	19758	Strand	+
Start	1	End	1159
Name	OJ990810_01.0103.C22.o1.tw	Method	TBLASTX:Wheat
Start	132	End	483
GI	none	Score	292
Exons	132..326, 133..483		

Seq. No.	9249	Seq. ID	OJ990810_01.0103.C22
Gene No.	19758	Strand	+
Start	1	End	1159
Name	OJ990810_01.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	133	End	438
GI	none	Score	231
Exons	133..438, 147..311		

Seq. No.	9249	Seq. ID	OJ990810_01.0103.C22
Gene No.	19758	Strand	+
Start	1	End	1159
Name	OJ990810_01.0103.C22.o2.tm	Method	TBLASTX:Maize
Start	766	End	1119
GI	none	Score	187
Exons	766..1119		

Seq. No.	9249	Seq. ID	OJ990810_01.0103.C22
Gene No.	19758	Strand	+
Start	1	End	1159
Name	OJ990810_01.0103.C22.o2.tw	Method	TBLASTX:Wheat
Start	802	End	1158
GI	none	Score	163
Exons	802..1011, 858..1010, 1056..1151, 1057..1158		

Seq. No.	9250	Seq. ID	OJ990810_01.0103.C23
Gene No.	19759	Strand	+
Start	104	End	1051
Name	OJ990810_01.0103.C23.o1.gs	Method	GENSCAN
Start	104	End	1051
GI	none	Score	1
Exons	104..158, 453..1051		

Seq. No.	9251	Seq. ID	OJ990810_01.0103.C24
Gene No.	19760	Strand	+
Start	237	End	1201
Name	OJ990810_01.0103.C24.o1.gs	Method	GENSCAN
Start	237	End	1201
GI	none	Score	.7
Exons	237..295, 364..481, 790..1098, 1136..1201		

Seq. No.	9251	Seq. ID	OJ990810_01.0103.C24
Gene No.	19760	Strand	+

Start	237	End	1201
Name	OJ990810_01.0103.C24.o1.gp	Method	AAT/GAP
Start	765	End	1098
GI	82047_1.R1084	Score	449
Exons	765..1098		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	9251	Seq. ID	OJ990810_01.0103.C24
Gene No.	19760	Strand	+
Start	237	End	1201
Name	OJ990810_01.0103.C24.o1.np	Method	AAT/NAP
Start	841	End	1098
GI	4678261	Score	165
Exons	841..1098		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	9251	Seq. ID	OJ990810_01.0103.C24
Gene No.	19761	Strand	-
Start	1694	End	1875
Name	OJ990810_01.0103.C24.o2.gs	Method	GENSCAN
Start	1694	End	1875
GI	none	Score	.62
Exons	1694..1875		

Seq. No.	9251	Seq. ID	OJ990810_01.0103.C24
Gene No.	19762	Strand	-
Start	1847	End	2520
Name	OJ990810_01.0103.C24.o1.tm	Method	TBLASTX:Maize
Start	799	End	1111
GI	none	Score	208
Exons	799..1023, 930..1019, 1043..1111, 1043..1108		

Seq. No.	9251	Seq. ID	OJ990810_01.0103.C24
Gene No.	19762	Strand	-
Start	1847	End	2520
Name	OJ990810_01.0103.C24.o1.tc	Method	TBLASTX:Cress
Start	847	End	1111
GI	none	Score	163
Exons	847..1023, 1043..1111		

Seq. No.	9251	Seq. ID	OJ990810_01.0103.C24
Gene No.	19762	Strand	-
Start	1847	End	2520
Name	OJ990810_01.0103.C24.o2.tm	Method	TBLASTX:Maize
Start	1748	End	2177
GI	none	Score	89
Exons	1748..1873, 1778..2089, 1943..2176, 2079..2177		

Seq. No.	9251	Seq. ID	OJ990810_01.0103.C24
Gene No.	19762	Strand	-
Start	1847	End	2520
Name	OJ990810_01.0103.C24.o2.np	Method	AAT/NAP
Start	1847	End	2520
GI	4538896	Score	533
Exons	1847..2520		

GI Descrip. (AL049482) putative protein [Arabidopsis thaliana]

Seq. No.	9252	Seq. ID	OJ990810_01.0103.C25
Gene No.	19763	Strand	+
Start	1686	End	2102
Name	OJ990810_01.0103.C25.o1.gs	Method	GENSCAN
Start	1686	End	2102
GI	none	Score	.69
Exons	1686..1752, 1831..2102		

Seq. No.	9252	Seq. ID	OJ990810_01.0103.C25
Gene No.	19764	Strand	-
Start	1	End	1365
Name	OJ990810_01.0103.C25.o1.np	Method	AAT/NAP
Start	1	End	1365
GI	4538896	Score	923
Exons	1..227, 288..796, 906..1277, 1314..1365		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	9252	Seq. ID	OJ990810_01.0103.C25
Gene No.	19765	Strand	-
Start	3109	End	3550
Name	OJ990810_01.0103.C25.o1.tm	Method	TBLASTX:Maize
Start	3	End	392
GI	none	Score	37
Exons	3..68, 4..72, 108..365, 132..392, 154..366		

Seq. No.	9252	Seq. ID	OJ990810_01.0103.C25
Gene No.	19765	Strand	-
Start	3109	End	3550
Name	OJ990810_01.0103.C25.o2.tm	Method	TBLASTX:Maize
Start	393	End	614
GI	none	Score	144
Exons	393..614, 424..603		

Seq. No.	9252	Seq. ID	OJ990810_01.0103.C25
Gene No.	19765	Strand	-
Start	3109	End	3550
Name	OJ990810_01.0103.C25.o1.ts	Method	TBLASTX:Soybean
Start	2578	End	2923
GI	none	Score	183
Exons	2578..2715, 2579..2716, 2822..2923, 2825..2917		

Seq. No.	9252	Seq. ID	OJ990810_01.0103.C25
Gene No.	19765	Strand	-
Start	3109	End	3550
Name	OJ990810_01.0103.C25.o2.gs	Method	GENSCAN
Start	3109	End	3550
GI	none	Score	.73
Exons	3109..3189, 3434..3550		

Seq. No.	9253	Seq. ID	OJ990810_01.0103.C26
Gene No.	19766	Strand	+
Start	571	End	692
Name	OJ990810_01.0103.C26.o1.gp	Method	AAT/GAP
Start	571	End	692
GI	3767784	Score	124

Exons	571..692		
Seq. No.	9254	Seq. ID	OJ990810_01.0103.C27
Gene No.	19767	Strand	+
Start	47	End	669
Name	OJ990810_01.0103.C27.o1.gs	Method	GENSCAN
Start	47	End	669
GI	none	Score	.59
Exons	47..115, 181..669		
Seq. No.	9254	Seq. ID	OJ990810_01.0103.C27
Gene No.	19767	Strand	+
Start	47	End	669
Name	OJ990810_01.0103.C27.o1.np	Method	AAT/NAP
Start	226	End	621
GI	6721562	Score	569
Exons	226..621		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		
Seq. No.	9255	Seq. ID	OJ990810_01.0103.C28
Gene No.	19768	Strand	+
Start	75	End	1287
Name	OJ990810_01.0103.C28.o1.gs	Method	GENSCAN
Start	75	End	1279
GI	none	Score	.91
Exons	75..429, 468..550, 722..1279		
Seq. No.	9255	Seq. ID	OJ990810_01.0103.C28
Gene No.	19768	Strand	+
Start	75	End	1287
Name	OJ990810_01.0103.C28.o1.np	Method	AAT/NAP
Start	725	End	1287
GI	5042447	Score	402
Exons	725..1287		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	9255	Seq. ID	OJ990810_01.0103.C28
Gene No.	19768	Strand	+
Start	75	End	1287
Name	OJ990810_01.0103.C28.o1.tw	Method	TBLASTX:Wheat
Start	953	End	1287
GI	none	Score	261
Exons	953..1282, 955..1287		
Seq. No.	9256	Seq. ID	OJ990810_01.0103.C29
Gene No.	19769	Strand	+
Start	1	End	620
Name	OJ990810_01.0103.C29.o1.np	Method	AAT/NAP
Start	1	End	620
GI	5852180	Score	303
Exons	1..113, 294..400, 452..620		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9257	Seq. ID	OJ990810_01.0103.C30
Gene No.	19770	Strand	+
Start	1	End	499
Name	OJ990810_01.0103.C30.o1.np	Method	AAT/NAP
Start	1	End	499
GI	4926827	Score	250
Exons	1..63, 95..324, 456..499		
GI Descrip.	(AC004135) T17H7.12 [Arabidopsis thaliana]		

Seq. No.	9257	Seq. ID	OJ990810_01.0103.C30
Gene No.	19770	Strand	+
Start	1	End	499
Name	OJ990810_01.0103.C30.o1.tm	Method	TBLASTX:Maize
Start	87	End	324
GI	none	Score	316
Exons	87..323, 88..324, 91..324		

Seq. No.	9257	Seq. ID	OJ990810_01.0103.C30
Gene No.	19770	Strand	+
Start	1	End	499
Name	OJ990810_01.0103.C30.o1.tc	Method	TBLASTX:Cress
Start	88	End	279
GI	none	Score	250
Exons	88..273, 94..279, 96..278		

Seq. No.	9257	Seq. ID	OJ990810_01.0103.C30
Gene No.	19770	Strand	+
Start	1	End	499
Name	OJ990810_01.0103.C30.o1.ts	Method	TBLASTX:Soybean
Start	91	End	324
GI	none	Score	326
Exons	91..321, 94..324, 96..323		

Seq. No.	9257	Seq. ID	OJ990810_01.0103.C30
Gene No.	19770	Strand	+
Start	1	End	499
Name	OJ990810_01.0103.C30.o1.gs	Method	GENSCAN
Start	97	End	324
GI	none	Score	.97
Exons	97..324		

Seq. No.	9258	Seq. ID	OJ990810_01.0103.C31
Gene No.	19771	Strand	-
Start	1	End	442
Name	OJ990810_01.0103.C31.o1.np	Method	AAT/NAP
Start	1	End	442
GI	4680186	Score	172
Exons	1..442		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9259	Seq. ID	OJ990810_01.0103.C32
Gene No.	19772	Strand	+
Start	322	End	1228
Name	OJ990810_01.0103.C32.o1.np	Method	AAT/NAP
Start	322	End	1228
GI	4680179	Score	719
Exons	322..1228		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	9259	Seq. ID	OJ990810_01.0103.C32
Gene No.	19772	Strand	+
Start	322	End	1228
Name	OJ990810_01.0103.C32.o1.gs	Method	GENSCAN
Start	334	End	1098
GI	none	Score	.75
Exons	334..1098		

Seq. No.	9259	Seq. ID	OJ990810_01.0103.C32
Gene No.	19772	Strand	+
Start	322	End	1228
Name	OJ990810_01.0103.C32.o2.tw	Method	TBLASTX:Wheat
Start	495	End	693
GI	none	Score	213
Exons	495..692, 496..693		

Seq. No.	9259	Seq. ID	OJ990810_01.0103.C32
Gene No.	19772	Strand	+
Start	322	End	1228
Name	OJ990810_01.0103.C32.o1.tw	Method	TBLASTX:Wheat
Start	744	End	1080
GI	none	Score	290
Exons	744..917, 745..1080, 893..961		

Seq. No.	9259	Seq. ID	OJ990810_01.0103.C32
Gene No.	19772	Strand	+
Start	322	End	1228
Name	OJ990810_01.0103.C32.o1.tm	Method	TBLASTX:Maize
Start	745	End	1050
GI	none	Score	246
Exons	745..1050		

Seq. No.	9260	Seq. ID	OJ990810_01.0103.C33
Gene No.	19773	Strand	+
Start	1	End	796
Name	OJ990810_01.0103.C33.o1.np	Method	AAT/NAP
Start	1	End	796
GI	4680179	Score	1210
Exons	1..796		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9260	Seq. ID	OJ990810_01.0103.C33
Gene No.	19773	Strand	+
Start	1	End	796
Name	OJ990810_01.0103.C33.o1.tw	Method	TBLASTX:Wheat
Start	4	End	486
GI	none	Score	120
Exons	4..168, 12..167, 137..442, 138..485, 138..482, 142..486		

Seq. No.	9260	Seq. ID	OJ990810_01.0103.C33
Gene No.	19773	Strand	+
Start	1	End	796
Name	OJ990810_01.0103.C33.o1.tm	Method	TBLASTX:Maize
Start	102	End	515
GI	none	Score	326

Exons	102..515, 143..505		
Seq. No.	9260	Seq. ID	OJ990810_01.0103.C33
Gene No.	19773	Strand	+
Start	1	End	796
Name	OJ990810_01.0103.C33.o1.gs	Method	GENSCAN
Start	135	End	754
GI	none	Score	.99
Exons	135..754		
Seq. No.	9260	Seq. ID	OJ990810_01.0103.C33
Gene No.	19773	Strand	+
Start	1	End	796
Name	OJ990810_01.0103.C33.o1.ts	Method	TBLASTX:Soybean
Start	426	End	794
GI	none	Score	57
Exons	426..458, 426..458, 462..515, 578..793	464..505, 465..791, 570..794,	
Seq. No.	9260	Seq. ID	OJ990810_01.0103.C33
Gene No.	19773	Strand	+
Start	1	End	796
Name	OJ990810_01.0103.C33.o2.tw	Method	TBLASTX:Wheat
Start	534	End	794
GI	none	Score	50
Exons	534..791, 535..627, 573..794,	575..793	
Seq. No.	9260	Seq. ID	OJ990810_01.0103.C33
Gene No.	19773	Strand	+
Start	1	End	796
Name	OJ990810_01.0103.C33.o2.tm	Method	TBLASTX:Maize
Start	570	End	794
GI	none	Score	228
Exons	570..794, 623..751		
Seq. No.	9261	Seq. ID	OJ990810_01.0103.C34
Gene No.	19774	Strand	+
Start	80	End	705
Name	OJ990810_01.0103.C34.o1.gs	Method	GENSCAN
Start	80	End	705
GI	none	Score	.41
Exons	80..536, 609..705		
Seq. No.	9261	Seq. ID	OJ990810_01.0103.C34
Gene No.	19775	Strand	-
Start	1	End	154
Name	OJ990810_01.0103.C34.o1.gp	Method	AAT/GAP
Start	1	End	154
GI	1854033	Score	297
Exons	1..154		
GI Descrip.	1854033/gb|U83835|OSU83835 1.0e-101 Oryza sativa RMa 3 mRNA, partial sequence		
Seq. No.	9262	Seq. ID	OJ990810_01.0103.C35
Gene No.	19776	Strand	
Start	271	End	690
Name	OJ990810_01.0103.C35.o1.tm	Method	TBLASTX:Maize

Start	271	End	690
GI	none	Score	177
Exons	271..372, 272..373, 278..373, 379..510, 380..517, 392..517, 393..533, 572..685, 576..689, 577..690, 577..681, 644..688		

Seq. No.	9263	Seq. ID	OJ991110_15.0218.C1
Gene No.	19777	Strand	+
Start	1248	End	1520
Name	OJ991110_15.0218.C1.o1.gs	Method	GENSCAN
Start	1248	End	1520
GI	none	Score	.96
Exons	1248..1520		

Seq. No.	9263	Seq. ID	OJ991110_15.0218.C1
Gene No.	19778	Strand	-
Start	2085	End	4948
Name	OJ991110_15.0218.C1.o2.gs	Method	GENSCAN
Start	2085	End	4948
GI	none	Score	.46
Exons	2085..2161, 3451..3502, 3590..3780, 3805..3817, 3871..4284, 4874..4948		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19779	Strand	+
Start	1857	End	7727
Name	OJ991110_15.0218.C2.o1.gs	Method	GENSCAN
Start	1857	End	7000
GI	none	Score	.44
Exons	1857..1923, 2597..2840, 3032..3166, 3459..3660, 4558..4763, 5404..5485, 5601..5715, 5876..5985, 6115..6371, 6412..6679, 6917..7000		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19779	Strand	+
Start	1857	End	7727
Name	OJ991110_15.0218.C2.o1.np	Method	AAT/NAP
Start	3466	End	5034
GI	4680186	Score	212
Exons	3466..3629, 4178..4313, 4999..5034		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19779	Strand	+
Start	1857	End	7727
Name	OJ991110_15.0218.C2.o3.np	Method	AAT/NAP
Start	5376	End	7727
GI	6907086	Score	239
Exons	5376..5883, 6180..6427, 6658..6974, 7316..7573, 7632..7727		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19779	Strand	+
Start	1857	End	7727
Name	OJ991110_15.0218.C2.o2.np	Method	AAT/NAP
Start	5607	End	7674
GI	6069653	Score	1105
Exons	5607..6544, 6737..7674		

GI Descrip. (AP000616) hypothetical protein [Oryza sativa]

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19780	Strand	+
Start	8063	End	8349
Name	OJ991110_15.0218.C2.o2.gp	Method	AAT/GAP
Start	8063	End	8349
GI	LIB3475-004-P1-K2-A5	Score	435
Exons	8063..8230, 8257..8349		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19781	Strand	+
Start	15367	End	21462
Name	OJ991110_15.0218.C2.o4.gs	Method	GENSCAN
Start	15367	End	21462
GI	none	Score	.41
Exons	15367..18165, 18301..21462		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19781	Strand	+
Start	15367	End	21462
Name	OJ991110_15.0218.C2.o4.np	Method	AAT/NAP
Start	15367	End	21426
GI	5922631	Score	6691
Exons	15367..15491, 15750..15997, 16232..16434, 16480..17051, 17094..17242, 17369..18292, 18899..21426		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19782	Strand	+
Start	25697	End	27695
Name	OJ991110_15.0218.C2.o6.gs	Method	GENSCAN
Start	25697	End	27695
GI	none	Score	.98
Exons	25697..25777, 27345..27695		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19783	Strand	-
Start	9362	End	10497
Name	OJ991110_15.0218.C2.o2.gs	Method	GENSCAN
Start	9362	End	10497
GI	none	Score	.98
Exons	9362..9743, 9803..10260, 10462..10497		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19784	Strand	-
Start	11674	End	12761
Name	OJ991110_15.0218.C2.o3.gs	Method	GENSCAN
Start	11674	End	12761

GI	none	Score	.44
Exons	11674..12524, 12575..12761		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19785	Strand	-
Start	21778	End	24718
Name	OJ991110_15.0218.C2.o5.gs	Method	GENSCAN
Start	21778	End	24718
GI	none	Score	.84
Exons	21778..22226, 22299..22403, 22475..22664, 22741..22928, 23003..23379, 23461..23636, 23834..24718		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19785	Strand	-
Start	21778	End	24718
Name	OJ991110_15.0218.C2.o5.np	Method	AAT/NAP
Start	21781	End	24718
GI	6691716	Score	2293
Exons	21781..22226, 22299..22403, 22553..22664, 22741..22935, 23112..23379, 23461..23636, 23834..24718		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o6.tm	Method	TBLASTX:Maize
Start	8097	End	8364
GI	none	Score	110
Exons	8097..8219, 8098..8226, 8111..8227, 8244..8363, 8249..8362, 8257..8364, 8257..8364		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o7.tw	Method	TBLASTX:Wheat
Start	16656	End	17058
GI	none	Score	302
Exons	16656..17057, 16657..17058		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	17632	End	18429
GI	none	Score	149
Exons	17632..17808, 17853..18089, 17857..18087, 18136..18429, 18201..18425		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	18349	End	18714
GI	none	Score	138
Exons	18349..18573, 18580..18714		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o8.tw	Method	TBLASTX:Wheat
Start	18430	End	18664
GI	none	Score	282
Exons	18430..18663, 18450..18662, 18493..18663, 18536..18664		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	18439	End	18795
GI	none	Score	375
Exons	18439..18795, 18480..18785		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	18664	End	19083
GI	none	Score	468
Exons	18664..19083, 18666..19082		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	18928	End	19359
GI	none	Score	320
Exons	18928..19359, 18975..19118, 18991..19119, 19155..19325		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	19026	End	19470
GI	none	Score	272
Exons	19026..19280, 19027..19281, 19302..19433, 19303..19446, 19444..19470		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o5.tw	Method	TBLASTX:Wheat
Start	19128	End	19557
GI	none	Score	415
Exons	19128..19400, 19129..19557		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	19585	End	19973
GI	none	Score	263
Exons	19585..19971, 19593..19973		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o4.tw	Method	TBLASTX:Wheat
Start	19594	End	20016
GI	none	Score	416
Exons	19594..20016, 19602..20006		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o5.tm	Method	TBLASTX:Maize
Start	19647	End	19920
GI	none	Score	127
Exons	19647..19817, 19648..19818, 19822..19920, 19854..19919		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o10.tw	Method	TBLASTX:Wheat
Start	20032	End	20331
GI	none	Score	135
Exons	20032..20166, 20191..20331		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	20328	End	20691
GI	none	Score	447
Exons	20328..20639, 20329..20652, 20517..20663, 20643..20690, 20644..20691		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o3.tw	Method	TBLASTX:Wheat
Start	20334	End	20721
GI	none	Score	420
Exons	20334..20645, 20335..20721, 20536..20721		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o7.tm	Method	TBLASTX:Maize
Start	20793	End	21066
GI	none	Score	95
Exons	20793..20891, 20794..20892, 20883..20957, 20887..20970, 20980..21066		

Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o6.tw	Method	TBLASTX:Wheat
Start	20836	End	21450
GI	none	Score	271

Exons	20836..21114, 20997..21098, 21169..21327, 21313..21450, 21324..21446		
Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o4.tm	Method	TBLASTX:Maize
Start	21178	End	21411
GI	none	Score	152
Exons	21178..21330, 21279..21329, 21309..21410, 21310..21411		
Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o9.tw	Method	TBLASTX:Wheat
Start	24308	End	24598
GI	none	Score	211
Exons	24308..24598		
Seq. No.	9264	Seq. ID	OJ991110_15.0218.C2
Gene No.	19786	Strand	-
Start	28348	End	30577
Name	OJ991110_15.0218.C2.o7.gs	Method	GENSCAN
Start	28348	End	30577
GI	none	Score	.53
Exons	28348..28559, 28858..29032, 29383..29515, 29634..30172, 30305..30577		
Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19787	Strand	+
Start	4824	End	13977
Name	OJ991110_15.0218.C3.o2.gs	Method	GENSCAN
Start	4824	End	13977
GI	none	Score	.75
Exons	4824..5204, 5239..5322, 6085..6201, 6590..6685, 6904..7167, 7262..7423, 8464..8607, 8950..9042, 9137..9270, 10277..10484, 10726..10947, 12035..12114, 12849..12965, 13082..13323, 13946..13977		
Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19788	Strand	+
Start	14653	End	17817
Name	OJ991110_15.0218.C3.o3.gs	Method	GENSCAN
Start	14653	End	17817
GI	none	Score	.47
Exons	14653..14703, 15207..15297, 17429..17524, 17768..17817		
Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19789	Strand	-
Start	174	End	563
Name	OJ991110_15.0218.C3.o1.gs	Method	GENSCAN
Start	174	End	563
GI	none	Score	.88
Exons	174..563		
Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19790	Strand	-

Start	1141	End	3736
Name	OJ991110_15.0218.C3.o1.np	Method	AAT/NAP
Start	1141	End	3736
GI	6539570	Score	195
Exons	1141..1165, 3328..3394, 3543..3736		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19791	Strand	-
Start	3877	End	4995
Name	OJ991110_15.0218.C3.o2.np	Method	AAT/NAP
Start	3877	End	4995
GI	6630699	Score	88
Exons	3877..3981, 4749..4995		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19792	Strand	-
Start	18498	End	18716
Name	OJ991110_15.0218.C3.o4.gs	Method	GENSCAN
Start	18498	End	18716
GI	none	Score	.87
Exons	18498..18716		

Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19793	Strand	-
Start	20542	End	20632
Name	OJ991110_15.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	9771	End	10243
GI	none	Score	175
Exons	9771..10040, 10055..10243		

Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19793	Strand	-
Start	20542	End	20632
Name	OJ991110_15.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	10498	End	10925
GI	none	Score	70
Exons	10498..10596, 10500..10598, 10500..10700, 10620..10700, 10687..10902, 10688..10921, 10695..10925, 10809..10925		

Seq. No.	9265	Seq. ID	OJ991110_15.0218.C3
Gene No.	19793	Strand	-
Start	20542	End	20632
Name	OJ991110_15.0218.C3.o4.np	Method	AAT/NAP
Start	20542	End	20632
GI	6721547	Score	89
Exons	20542..20632		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	9266	Seq. ID	OJ991110_15.0218.C7
Gene No.	19794	Strand	+
Start	331	End	2630
Name	OJ991110_15.0218.C7.o1.gs	Method	GENSCAN
Start	331	End	2630

GI	none	Score	.6
Exons	331..355, 657..1118, 2460..2630		

Seq. No.	9266	Seq. ID	OJ991110_15.0218.C7
Gene No.	19795	Strand	-
Start	1	End	3209
Name	OJ991110_15.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	3209
GI	4185142	Score	121
Exons	1..312, 3152..3209		
GI Descrip.	(AC005724) putative SNF2/RAD54 family DNA repair and recombination protein [Arabidopsis thaliana]		

Seq. No.	9266	Seq. ID	OJ991110_15.0218.C7
Gene No.	19795	Strand	-
Start	1	End	3209
Name	OJ991110_15.0218.C7.o1.gp	Method	AAT/GAP
Start	468	End	722
GI	454466	Score	403
Exons	468..722		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19796	Strand	+
Start	2566	End	5118
Name	OJ991110_15.0218.C8.o1.np	Method	AAT/NAP
Start	2566	End	5118
GI	5091617	Score	721
Exons	2566..2617, 2656..3088, 3116..5118		
GI Descrip.	(AC007454) Contains similarity to gi|479356 protein kinase PK1 from Zea mays, is a member of the PF|00954 S-locus glycoprotein family and contains a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	2976	End	4940
GI	none	Score	93
Exons	2976..3158, 4053..4166, 4118..4150, 4179..4202, 4215..4706, 4215..4349, 4427..4549, 4607..4714, 4815..4940, 4815..4934		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o3.ts	Method	TBLASTX:Soybean
Start	4160	End	4307
GI	none	Score	184
Exons	4160..4303, 4161..4307, 4179..4307		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	4172	End	4925
GI	none	Score	442
Exons	4172..4336, 4173..4751, 4427..4681, 4794..4925		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	4226	End	4631
GI	none	Score	197
Exons	4226..4378, 4227..4379, 4359..4631, 4383..4619		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	4308	End	4991
GI	none	Score	81
Exons	4308..4397, 4310..4360, 4386..4553, 4427..4555, 4569..4787, 4767..4991		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o2.np	Method	AAT/NAP
Start	5959	End	9724
GI	5302802	Score	704
Exons	5959..6058, 7746..7840, 7940..9222, 9373..9724		
GI Descrip.	(Z97342) retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o2.gs	Method	GENSCAN
Start	7621	End	9680
GI	none	Score	.53
Exons	7621..7801, 7813..8076, 8098..8381, 8765..9680		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o3.tw	Method	TBLASTX:Wheat
Start	8028	End	8282
GI	none	Score	195
Exons	8028..8282, 8030..8275		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o3.tm	Method	TBLASTX:Maize
Start	8106	End	8437
GI	none	Score	205
Exons	8106..8288, 8108..8272, 8121..8273, 8325..8423, 8342..8437		

Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o3.tc	Method	TBLASTX:Cress
Start	8334	End	8627
GI	none	Score	153

Exons	8334..8537, 8345..8536, 8538..8624, 8541..8627		
Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	8721	End	9177
GI	none	Score	80
Exons	8721..8792, 8779..9177, 8798..9175		
Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	8783	End	9172
GI	none	Score	265
Exons	8783..9172		
Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	8798	End	9207
GI	none	Score	325
Exons	8798..9202, 8965..9033, 9061..9207		
Seq. No.	9267	Seq. ID	OJ991110_15.0218.C8
Gene No.	19797	Strand	+
Start	5959	End	9724
Name	OJ991110_15.0218.C8.o2.tw	Method	TBLASTX:Wheat
Start	8852	End	9198
GI	none	Score	353
Exons	8852..9196, 8854..8967, 8992..9198		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19798	Strand	+
Start	1	End	2697
Name	OJ991110_15.0218.C9.o1.np	Method	AAT/NAP
Start	1	End	2697
GI	3269282	Score	1252
Exons	1..1424, 2627..2697		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19798	Strand	+
Start	1	End	2697
Name	OJ991110_15.0218.C9.o1.gs	Method	GENSCAN
Start	106	End	2123
GI	none	Score	.49
Exons	106..1293, 1327..1416, 1983..2123		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19799	Strand	+
Start	17500	End	19488
Name	OJ991110_15.0218.C9.o5.gs	Method	GENSCAN
Start	17500	End	19468
GI	none	Score	.9

Exons	17500..17586, 18375..18774, 18837..19468		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19799	Strand	+
Start	17500	End	19488
Name	OJ991110_15.0218.C9.o3.np	Method	AAT/NAP
Start	18541	End	19488
GI	4894963	Score	519
Exons	18541..19488		
GI Descrip.	(AF140553) DNA-binding protein WRKY3 [Avena sativa]		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19800	Strand	+
Start	22590	End	26640
Name	OJ991110_15.0218.C9.o4.np	Method	AAT/NAP
Start	22590	End	26640
GI	4680183	Score	112
Exons	22590..22615, 25268..25359, 25947..26017, 26551..26640		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19801	Strand	-
Start	3375	End	3596
Name	OJ991110_15.0218.C9.o2.np	Method	AAT/NAP
Start	3375	End	3596
GI	5902438	Score	81
Exons	3375..3596		
GI Descrip.	(AB022912) Rhp26 [Schizosaccharomyces pombe] gi|6562902|emb|CAB62827.1| (AL133440) DNA repair and recombination protein Rhp26p [Schizosaccharomyces pombe]		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19802	Strand	-
Start	4013	End	6458
Name	OJ991110_15.0218.C9.o2.gs	Method	GENSCAN
Start	4013	End	6458
GI	none	Score	.67
Exons	4013..4408, 4506..4597, 4659..4686, 5267..5397, 6395..6458		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19803	Strand	-
Start	7926	End	8534
Name	OJ991110_15.0218.C9.o3.gs	Method	GENSCAN
Start	7926	End	8534
GI	none	Score	.46
Exons	7926..8192, 8292..8534		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19804	Strand	-
Start	27387	End	28012
Name	OJ991110_15.0218.C9.o7.gs	Method	GENSCAN
Start	27387	End	28012
GI	none	Score	.54
Exons	27387..27495, 27681..27759, 27850..28012		
Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-

Start	28960	End	31054
Name	OJ991110_15.0218.C9.o6.tm	Method	TBLASTX:Maize
Start	3	End	176
GI	none	Score	190
Exons	3..176		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o3.ts	Method	TBLASTX:Soybean
Start	6	End	378
GI	5509260	Score	176
Exons	6..224, 17..157, 196..378, 202..231, 216..362		
GI Descrip.	-		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o2.tc	Method	TBLASTX:Cress
Start	18	End	247
GI	none	Score	203
Exons	18..224, 20..247		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o2.tw	Method	TBLASTX:Wheat
Start	50	End	561
GI	none	Score	142
Exons	50..247, 51..224, 222..440, 226..393, 379..561		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o2.tm	Method	TBLASTX:Maize
Start	182	End	627
GI	none	Score	57
Exons	182..226, 183..224, 225..368, 226..627, 387..614		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o3.tc	Method	TBLASTX:Cress
Start	439	End	690
GI	none	Score	197
Exons	439..690		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o1.tw	Method	TBLASTX:Wheat
Start	562	End	993
GI	none	Score	155
Exons	562..735, 570..734, 727..888, 733..993, 936..992		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-

Start	28960	End	31054
Name	OJ991110_15.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	670	End	1062
GI	none	Score	508
Exons	670..1062, 679..1062		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	757	End	1353
GI	none	Score	515
Exons	757..1353, 951..1280		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o4.tm	Method	TBLASTX:Maize
Start	1063	End	1356
GI	none	Score	303
Exons	1063..1356, 1068..1355		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o5.tw	Method	TBLASTX:Wheat
Start	1215	End	1422
GI	none	Score	199
Exons	1215..1394, 1219..1422		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	18991	End	19444
GI	none	Score	42
Exons	18991..19071, 19031..19072, 19066..19092, 19067..19108, 19192..19437, 19196..19444		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o3.tm	Method	TBLASTX:Maize
Start	19183	End	19444
GI	none	Score	315
Exons	19183..19440, 19193..19444		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o2.ts	Method	TBLASTX:Soybean
Start	19186	End	19441
GI	none	Score	324
Exons	19186..19437, 19193..19441		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-

Start	28960	End	31054
Name	OJ991110_15.0218.C9.o4.tw	Method	TBLASTX:Wheat
Start	19193	End	19444
GI	none	Score	305
Exons	19193..19444, 19258..19440		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o6.np	Method	AAT/NAP
Start	28960	End	31054
GI	2244915	Score	157
Exons	28960..28989, 30661..31054		
GI Descrip.	(Z97339) reverse transcriptase like protein [Arabidopsis thaliana]		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o8.gs	Method	GENSCAN
Start	29731	End	30428
GI	none	Score	.7
Exons	29731..29874, 30239..30428		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o6.tw	Method	TBLASTX:Wheat
Start	29815	End	30248
GI	none	Score	84
Exons	29815..29976, 29991..30131, 30153..30248		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o5.tm	Method	TBLASTX:Maize
Start	30189	End	30658
GI	none	Score	179
Exons	30189..30248, 30281..30658		

Seq. No.	9268	Seq. ID	OJ991110_15.0218.C9
Gene No.	19805	Strand	-
Start	28960	End	31054
Name	OJ991110_15.0218.C9.o3.tw	Method	TBLASTX:Wheat
Start	30551	End	31054
GI	none	Score	62
Exons	30551..30673, 30610..30813, 30686..30808, 30791..31054, 30794..30946, 30810..31004		

Seq. No.	9269	Seq. ID	OJ991110_15.0218.C10
Gene No.	19806	Strand	+
Start	10	End	58
Name	OJ991110_15.0218.C10.o1.gs	Method	GENSCAN
Start	10	End	58
GI	none	Score	.87
Exons	10..58		

Seq. No.	9270	Seq. ID	OJ991110_15.0218.C11
Gene No.	19807	Strand	+
Start	154	End	547
Name	OJ991110_15.0218.C11.o1.gs	Method	GENSCAN
Start	154	End	547
GI	none	Score	.91
Exons	154..227, 415..547		

Seq. No.	9271	Seq. ID	OJ991110_14.0211.C1
Gene No.	19808	Strand	-
Start	465	End	509
Name	OJ991110_14.0211.C1.o1.gs	Method	GENSCAN
Start	465	End	509
GI	none	Score	.61
Exons	465..509		

Seq. No.	9272	Seq. ID	OJ991110_14.0211.C2
Gene No.	19809	Strand	+
Start	400	End	756
Name	OJ991110_14.0211.C2.o1.gs	Method	GENSCAN
Start	400	End	756
GI	none	Score	.53
Exons	400..756		

Seq. No.	9272	Seq. ID	OJ991110_14.0211.C2
Gene No.	19810	Strand	-
Start	1511	End	3691
Name	OJ991110_14.0211.C2.o2.gs	Method	GENSCAN
Start	1511	End	3691
GI	none	Score	.69
Exons	1511..1537, 1565..1597, 1959..2282, 2552..3232, 3656..3691		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19811	Strand	+
Start	10351	End	12970
Name	OJ991110_14.0211.C3.o5.np	Method	AAT/NAP
Start	10351	End	11601
GI	6503308	Score	61
Exons	10351..10433, 11409..11601		
GI Descrip.	(AC011713) Contains PF|00646 F-box domain. ESTs gb|AA586135, gb|Z26675, gb|AI993239 and gb|AA585907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19811	Strand	+
Start	10351	End	12970
Name	OJ991110_14.0211.C3.o3.gs	Method	GENSCAN
Start	11283	End	12970
GI	none	Score	.78
Exons	11283..11318, 11430..12329, 12434..12970		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19812	Strand	+
Start	15614	End	16039
Name	OJ991110_14.0211.C3.o1.gp	Method	AAT/GAP
Start	15614	End	16039
GI	none	Score	783

Exons	15614..16039		
Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19813	Strand	-
Start	973	End	5840
Name	OJ991110_14.0211.C3.o1.gs	Method	GENSCAN
Start	973	End	5840
GI	none	Score	.57
Exons	973..1416, 1697..2290, 2640..2732, 3104..3238, 3709..3829, 4255..4694, 4782..5705, 5805..5840		
Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19813	Strand	-
Start	973	End	5840
Name	OJ991110_14.0211.C3.o3.np	Method	AAT/NAP
Start	3359	End	5798
GI	6503308	Score	78
Exons	3359..3395, 5540..5798		
GI Descrip.	(AC011713) Contains PF|00646 F-box domain. ESTs gb|AA586135, gb|Z26675, gb|AI993239 and gb|AA585907 come from this gene. [Arabidopsis thaliana]		
Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19813	Strand	-
Start	973	End	5840
Name	OJ991110_14.0211.C3.o2.np	Method	AAT/NAP
Start	3737	End	5382
GI	3776023	Score	76
Exons	3737..3903, 5315..5382		
GI Descrip.	(AJ010473) RNA helicase [Arabidopsis thaliana]		
Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19814	Strand	-
Start	6572	End	10519
Name	OJ991110_14.0211.C3.o2.gs	Method	GENSCAN
Start	6572	End	10519
GI	none	Score	.42
Exons	6572..6917, 7203..7286, 8384..8487, 8730..8853, 9090..9277, 9489..9794, 9970..10236, 10484..10519		
Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19814	Strand	-
Start	6572	End	10519
Name	OJ991110_14.0211.C3.o4.np	Method	AAT/NAP
Start	9023	End	10090
GI	1885350	Score	296
Exons	9023..9509, 9547..9822, 9956..10090		
GI Descrip.	(Y11485) serpin [Triticum aestivum]		
Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047
Name	OJ991110_14.0211.C3.o2.tw	Method	TBLASTX:Wheat
Start	962	End	12972
GI	none	Score	57
Exons	962..1045, 973..1035, 1042..1086, 1108..1251, 1108..1251, 1125..1259, 1255..1332, 1270..1314, 4156..4230, 4158..4220,		

4287..4436, 4287..4436, 4288..4437, 4309..4437, 4440..4514,
4458..4514, 12611..12673, 12611..12673, 12684..12818,
12691..12819, 12692..12835, 12692..12835, 12857..12901,
12898..12972, 12907..12969, 12908..12970

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047
Name	OJ991110_14.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	2096	End	11834
GI	none	Score	101
Exons	2096..2302, 2097..2291, 2568..2708, 5284..5472, 5319..5471, 5574..5669, 11460..11606, 11516..11605, 11625..11822, 11628..11834, 11639..11833		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047
Name	OJ991110_14.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	9042	End	10208
GI	none	Score	52
Exons	9042..9125, 9141..9254, 9149..9250, 9284..9391, 9285..9377, 9405..9482, 9410..9502, 9549..9611, 9684..9818, 9970..10008, 10024..10122, 10170..10208		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047
Name	OJ991110_14.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	9060	End	9827
GI	none	Score	67
Exons	9060..9122, 9135..9254, 9149..9250, 9234..9383, 9284..9382, 9413..9499, 9549..9599, 9549..9599, 9684..9827, 9697..9807		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047
Name	OJ991110_14.0211.C3.o4.gs	Method	GENSCAN
Start	14815	End	18506
GI	none	Score	.76
Exons	14815..15155, 16674..16710, 17432..17508, 17929..18103, 18244..18390, 18447..18506		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047
Name	OJ991110_14.0211.C3.o2.gp	Method	AAT/GAP
Start	16051	End	16499
GI	uC-osflcyp065d05b1	Score	882
Exons	16051..16499		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-12 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047

Name	OJ991110_14.0211.C3.o2.tm	Method	TBLASTX:Maize
Start	18233	End	18497
GI	none	Score	112
Exons	18233..18334, 18235..18336, 18242..18325, 18244..18330, 18440..18496, 18440..18496, 18441..18497, 18444..18497		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047
Name	OJ991110_14.0211.C3.o6.np	Method	AAT/NAP
Start	18236	End	19047
GI	6691218	Score	101
Exons	18236..18336, 18447..18506, 18922..19047		
GI Descrip.	(AC007508) F1K23.6 [Arabidopsis thaliana]		

Seq. No.	9273	Seq. ID	OJ991110_14.0211.C3
Gene No.	19815	Strand	-
Start	14815	End	19047
Name	OJ991110_14.0211.C3.o3.gp	Method	AAT/GAP
Start	18240	End	18322
GI	17389_1.R1084	Score	95
Exons	18240..18322		
GI Descrip.	'6006869/gb|AAF00645.1|AC009540_22 2.0e-34 (AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]'		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19816	Strand	+
Start	7008	End	15943
Name	OJ991110_14.0211.C4.o2.gs	Method	GENSCAN
Start	7008	End	15943
GI	none	Score	.5
Exons	7008..7016, 7752..7770, 9387..9407, 9422..9528, 10170..10505, 10528..11073, 11382..12453, 12814..13382, 13422..13973, 14070..14856, 14968..15515, 15683..15943		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19816	Strand	+
Start	7008	End	15943
Name	OJ991110_14.0211.C4.o1.gp	Method	AAT/GAP
Start	9385	End	9597
GI	1631463	Score	291
Exons	9385..9597		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19816	Strand	+
Start	7008	End	15943
Name	OJ991110_14.0211.C4.o1.np	Method	AAT/NAP
Start	11382	End	15045
GI	5042447	Score	5997
Exons	11382..15045		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19816	Strand	+

Start	7008	End	15943
Name	OJ991110_14.0211.C4.o2.np	Method	AAT/NAP
Start	15081	End	15506
GI	1435070	Score	190
Exons	15081..15506		
GI Descrip.	(X99085) integrase [Ascobolus immersus]		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19817	Strand	-
Start	257	End	5653
Name	OJ991110_14.0211.C4.o6.tm	Method	TBLASTX:Maize
Start	219	End	856
GI	none	Score	80
Exons	219..308, 257..310, 425..574, 447..572, 734..856, 735..830		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19817	Strand	-
Start	257	End	5653
Name	OJ991110_14.0211.C4.o4.ts	Method	TBLASTX:Soybean
Start	221	End	856
GI	none	Score	70
Exons	221..310, 255..311, 256..312, 258..308, 425..574, 445..561, 447..563, 734..856		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19817	Strand	-
Start	257	End	5653
Name	OJ991110_14.0211.C4.o1.gs	Method	GENSCAN
Start	257	End	5653
GI	none	Score	.71
Exons	257..307, 1715..1870, 2108..2244, 2305..2314, 2353..2442, 2833..3131, 5378..5434, 5530..5653		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19817	Strand	-
Start	257	End	5653
Name	OJ991110_14.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	2102	End	2436
GI	none	Score	152
Exons	2102..2236, 2103..2237, 2106..2237, 2108..2239, 2356..2436, 2356..2436		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19817	Strand	-
Start	257	End	5653
Name	OJ991110_14.0211.C4.o7.tm	Method	TBLASTX:Maize
Start	2102	End	2977
GI	none	Score	153
Exons	2102..2245, 2106..2246, 2353..2436, 2353..2436, 2361..2390, 2376..2444, 2833..2898, 2918..2977		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19817	Strand	-
Start	257	End	5653
Name	OJ991110_14.0211.C4.o3.ts	Method	TBLASTX:Soybean
Start	2102	End	2907
GI	none	Score	160

Exons	2102..2245, 2109..2246, 2352..2420, 2353..2424, 2353..2436, 2833..2907		
Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19817	Strand	-
Start	257	End	5653
Name	OJ991110_14.0211.C4.o9.tw	Method	TBLASTX:Wheat
Start	2105	End	2898
GI	none	Score	147
Exons	2105..2245, 2106..2246, 2353..2436, 2353..2436, 2361..2444, 2833..2898		
Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19818	Strand	
Start	11649	End	12185
Name	OJ991110_14.0211.C4.o7.tw	Method	TBLASTX:Wheat
Start	11649	End	12008
GI	none	Score	308
Exons	11649..12008, 11675..11749, 11774..12007		
Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19818	Strand	
Start	11649	End	12185
Name	OJ991110_14.0211.C4.o8.tm	Method	TBLASTX:Maize
Start	11889	End	12185
GI	none	Score	210
Exons	11889..12185, 11889..12173, 11906..12076		
Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19819	Strand	
Start	12525	End	12941
Name	OJ991110_14.0211.C4.o8.tw	Method	TBLASTX:Wheat
Start	12525	End	12941
GI	none	Score	153
Exons	12525..12734, 12542..12673, 12759..12941, 12785..12940		
Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19820	Strand	
Start	13104	End	13973
Name	OJ991110_14.0211.C4.o4.tw	Method	TBLASTX:Wheat
Start	13104	End	13586
GI	none	Score	532
Exons	13104..13586, 13208..13543, 13215..13583		
Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19820	Strand	
Start	13104	End	13973
Name	OJ991110_14.0211.C4.o5.tm	Method	TBLASTX:Maize
Start	13116	End	13405
GI	none	Score	322
Exons	13116..13403, 13214..13405		
Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19820	Strand	
Start	13104	End	13973
Name	OJ991110_14.0211.C4.o3.tm	Method	TBLASTX:Maize
Start	13473	End	13973

GI	none	Score	161
Exons	13473..13652, 13638..13973, 13724..13855, 13880..13930		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19820	Strand	
Start	13104	End	13973
Name	OJ991110_14.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	13527	End	13922
GI	none	Score	57
Exons	13527..13559, 13527..13571, 13563..13922, 13563..13643, 13658..13921		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19820	Strand	
Start	13104	End	13973
Name	OJ991110_14.0211.C4.o5.tw	Method	TBLASTX:Wheat
Start	13635	End	13937
GI	none	Score	402
Exons	13635..13937, 13655..13936		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19821	Strand	
Start	13938	End	14447
Name	OJ991110_14.0211.C4.o2.tw	Method	TBLASTX:Wheat
Start	13938	End	14447
GI	none	Score	621
Exons	13938..14447, 13970..14356, 14016..14363		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19821	Strand	
Start	13938	End	14447
Name	OJ991110_14.0211.C4.o5.ts	Method	TBLASTX:Soybean
Start	13944	End	14189
GI	none	Score	198
Exons	13944..14189		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19821	Strand	
Start	13938	End	14447
Name	OJ991110_14.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	14010	End	14375
GI	none	Score	481
Exons	14010..14363, 14012..14356, 14030..14368, 14062..14373, 14064..14375		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19822	Strand	
Start	14451	End	15916
Name	OJ991110_14.0211.C4.o3.tw	Method	TBLASTX:Wheat
Start	14451	End	14930
GI	none	Score	563
Exons	14451..14930, 14496..14897, 14675..14929		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19822	Strand	
Start	14451	End	15916
Name	OJ991110_14.0211.C4.o2.ts	Method	TBLASTX:Soybean

Start	14718	End	14978
GI	none	Score	270
Exons	14718..14978, 14723..14977		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19822	Strand	
Start	14451	End	15916
Name	OJ991110_14.0211.C4.o4.tm	Method	TBLASTX:Maize
Start	14777	End	15068
GI	none	Score	360
Exons	14777..15064, 14778..15068		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19822	Strand	
Start	14451	End	15916
Name	OJ991110_14.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	14939	End	15563
GI	none	Score	731
Exons	14939..15562, 14940..15563		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19822	Strand	
Start	14451	End	15916
Name	OJ991110_14.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	15117	End	15715
GI	none	Score	227
Exons	15117..15278, 15120..15233, 15121..15267, 15125..15271, 15276..15608, 15278..15577, 15521..15715, 15595..15702		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19822	Strand	
Start	14451	End	15916
Name	OJ991110_14.0211.C4.o6.tw	Method	TBLASTX:Wheat
Start	15564	End	15895
GI	none	Score	72
Exons	15564..15614, 15577..15771, 15578..15895		

Seq. No.	9274	Seq. ID	OJ991110_14.0211.C4
Gene No.	19822	Strand	
Start	14451	End	15916
Name	OJ991110_14.0211.C4.o9.tm	Method	TBLASTX:Maize
Start	15719	End	15916
GI	none	Score	197
Exons	15719..15916		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19823	Strand	+
Start	114	End	502
Name	OJ991110_14.0211.C5.o1.gs	Method	GENSCAN
Start	114	End	502
GI	none	Score	.96
Exons	114..198, 243..502		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19824	Strand	+
Start	4123	End	7540
Name	OJ991110_14.0211.C5.o1.gp	Method	AAT/GAP

Start	3848	End	4246
GI	286866	Score	753
Exons	3848..4246		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19824	Strand	+
Start	4123	End	7540
Name	OJ991110_14.0211.C5.o3.gs	Method	GENSCAN
Start	4123	End	7540
GI	none	Score	.6
Exons	4123..4170, 4188..4323, 4864..4899, 5764..5853, 7446..7540		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19825	Strand	+
Start	12628	End	13588
Name	OJ991110_14.0211.C5.o3.np	Method	AAT/NAP
Start	12628	End	13588
GI	4417293	Score	383
Exons	12628..12762, 12885..13017, 13379..13588		
GI Descrip.	(AC007019) unknown protein [Arabidopsis thaliana]		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19826	Strand	+
Start	14813	End	20752
Name	OJ991110_14.0211.C5.o4.np	Method	AAT/NAP
Start	14813	End	20298
GI	4914318	Score	71
Exons	14813..14835, 16910..17243, 17286..17472, 20261..20298		
GI Descrip.	(AC005489) F14N23.4 [Arabidopsis thaliana]		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19826	Strand	+
Start	14813	End	20752
Name	OJ991110_14.0211.C5.o5.gs	Method	GENSCAN
Start	17620	End	20135
GI	none	Score	.47
Exons	17620..17831, 18275..18449, 18639..18863, 19602..20135		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19826	Strand	+
Start	14813	End	20752
Name	OJ991110_14.0211.C5.o5.np	Method	AAT/NAP
Start	18312	End	19743
GI	6907088	Score	1254
Exons	18312..18449, 18625..18863, 19357..19743		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19826	Strand	+
Start	14813	End	20752
Name	OJ991110_14.0211.C5.o6.np	Method	AAT/NAP
Start	19728	End	20752
GI	5734635	Score	324
Exons	19728..19833, 19886..20144, 20333..20464, 20493..20752		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5

Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o1.np	Method	AAT/NAP
Start	1279	End	2047
GI	4680183	Score	176
Exons	1279..1368, 1977..2047		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o2.gs	Method	GENSCAN
Start	1530	End	2119
GI	none	Score	.47
Exons	1530..1635, 2100..2119		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o2.np	Method	AAT/NAP
Start	1687	End	20741
GI	3327394	Score	525
Exons	1687..1750, 5422..5645, 5734..5820, 6392..6480, 6568..6771, 7623..7771, 8346..8424, 11378..11435, 11644..11754, 20720..20741		
GI Descrip.	(AC004483) putative RNA helicase [Arabidopsis thaliana]		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o1.tc	Method	TBLASTX:Cress
Start	5422	End	6772
GI	none	Score	106
Exons	5422..5499, 5491..5643, 5493..5645, 6389..6481, 6590..6772		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	5422	End	5645
GI	none	Score	98
Exons	5422..5499, 5493..5639, 5493..5645		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o2.tm	Method	TBLASTX:Maize
Start	5458	End	5815
GI	none	Score	155
Exons	5458..5493, 5465..5641, 5484..5642, 5493..5645, 5500..5643, 5728..5754, 5761..5814, 5762..5815		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	8659	End	9017
GI	none	Score	45

Exons	8659..8724, 8661..8723, 8662..8724, 8730..8774, 8791..8940, 8795..8920, 8796..8939, 8797..8940, 8943..9017, 8958..9017		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o2.tw	Method	TBLASTX:Wheat
Start	9782	End	10156
GI	none	Score	88
Exons	9782..9979, 9783..9953, 9813..9983, 10010..10156, 10022..10156		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o2.gp	Method	AAT/GAP
Start	11097	End	11510
GI	uC-osflcyp134g02a1	Score	319
Exons	11097..11356, 11486..11510		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	12477	End	13008
GI	none	Score	98
Exons	12477..12536, 12478..12567, 12544..12765, 12554..12766, 12573..12779, 12882..12923, 12888..12938, 12889..12936, 12917..12976, 12919..12975, 12960..13007, 12976..13008		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o2.tc	Method	TBLASTX:Cress
Start	12478	End	12728
GI	none	Score	77
Exons	12478..12567, 12478..12537, 12544..12717, 12553..12708, 12573..12728		

Seq. No.	9275	Seq. ID	OJ991110_14.0211.C5
Gene No.	19827	Strand	-
Start	1530	End	20741
Name	OJ991110_14.0211.C5.o3.tw	Method	TBLASTX:Wheat
Start	16939	End	17252
GI	none	Score	99
Exons	16939..17049, 17061..17204, 17178..17252		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19828	Strand	+
Start	121	End	3999
Name	OJ991110_14.0211.C6.o2.np	Method	AAT/NAP
Start	121	End	3999
GI	6721512	Score	129
Exons	121..242, 1052..1117, 1961..2197, 2239..2275, 2387..2437, 3965..3999		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19828	Strand	+
Start	121	End	3999
Name	OJ991110_14.0211.C6.o1.gs	Method	GENSCAN
Start	220	End	291
GI	none	Score	.89
Exons	220..291		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19828	Strand	+
Start	121	End	3999
Name	OJ991110_14.0211.C6.o1.np	Method	AAT/NAP
Start	293	End	3840
GI	4582447	Score	246
Exons	293..934, 3753..3840		

GI Descrip. (AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19829	Strand	+
Start	6011	End	7228
Name	OJ991110_14.0211.C6.o3.np	Method	AAT/NAP
Start	6011	End	7228
GI	1076837	Score	96
Exons	6011..6170, 7089..7228		

GI Descrip. probable RNA helicase - slime mold (Dictyostelium discoideum) gi|1076843|pir||S49262 RNA helicase - slime mold (Dictyostelium discoideum) (fragment) gi|550331|emb|CAA57418| (X81824) putative RNA helicase [Dictyostelium discoideum]

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19830	Strand	+
Start	12741	End	15363
Name	OJ991110_14.0211.C6.o5.np	Method	AAT/NAP
Start	12741	End	15363
GI	3047109	Score	614
Exons	12741..12959, 14464..14623, 14854..15063, 15167..15363		

GI Descrip. (AF058919) No definition line found [Arabidopsis thaliana]

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19830	Strand	+
Start	12741	End	15363
Name	OJ991110_14.0211.C6.o2.gp	Method	AAT/GAP
Start	12746	End	14936
GI	64841_1.R1084	Score	784
Exons	12746..12959, 14464..14623, 14854..14936		

GI Descrip. '3047109 2.0e-15 (AF058919) No definition line found [Arabidopsis thaliana]'

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19831	Strand	-
Start	3746	End	7308
Name	OJ991110_14.0211.C6.o2.gs	Method	GENSCAN
Start	3746	End	7308
GI	none	Score	.42

Exons	3746..4282, 4370..5164, 5543..5992, 6219..6491, 6936..7040, 7273..7308		
Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	313	End	935
GI	none	Score	256
Exons	313..630, 328..609, 336..641, 612..824, 665..754, 825..935, 839..928		
Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o1.tw	Method	TBLASTX:Wheat
Start	361	End	609
GI	none	Score	251
Exons	361..603, 379..609		
Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o3.tm	Method	TBLASTX:Maize
Start	3391	End	10609
GI	none	Score	101
Exons	3391..3456, 3458..3493, 10159..10380, 10175..10378, 10460..10609, 10503..10604		
Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o3.tw	Method	TBLASTX:Wheat
Start	3743	End	8800
GI	none	Score	45
Exons	3743..3808, 3747..3818, 3875..4024, 3876..4025, 4028..4087, 4028..4087, 5501..5566, 5505..5576, 5633..5782, 5634..5783, 5640..5783, 5786..5860, 5786..5845, 8723..8800		
Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o2.tw	Method	TBLASTX:Wheat
Start	4907	End	7008
GI	none	Score	89
Exons	4907..5059, 5111..5206, 6621..6806, 6625..6810, 6649..6807, 6864..7004, 6907..7008		
Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o2.tc	Method	TBLASTX:Cress
Start	5239	End	9167
GI	none	Score	147
Exons	5239..5325, 7779..8069, 7786..7980, 7895..7981, 8727..8930, 8731..8829, 9074..9166, 9099..9167		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o3.gs	Method	GENSCAN
Start	7770	End	14265
GI	none	Score	.41
Exons	7770..8000, 8733..8915, 9077..9292, 9374..9469, 10162..10368, 10463..10595, 11480..12519, 12783..12968, 13465..13659, 13828..13968, 14016..14265		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o4.np	Method	AAT/NAP
Start	7773	End	12949
GI	3327394	Score	1684
Exons	7773..8000, 8733..8915, 9077..9292, 9374..9469, 9973..10059, 10162..10368, 10463..10687, 10780..10835, 11046..11152, 11480..11721, 11776..11848, 11979..12519, 12733..12949		
GI Descrip.	(AC004483) putative RNA helicase [Arabidopsis thaliana]		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o6.tm	Method	TBLASTX:Maize
Start	7782	End	8006
GI	none	Score	125
Exons	7782..8006, 7789..7980		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o3.ts	Method	TBLASTX:Soybean
Start	7824	End	8006
GI	none	Score	125
Exons	7824..8006, 7825..7992		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o4.tm	Method	TBLASTX:Maize
Start	8733	End	8931
GI	none	Score	63
Exons	8733..8930, 8734..8838, 8890..8931		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	8841	End	9433
GI	none	Score	57
Exons	8841..8930, 9074..9331, 9076..9138, 9099..9293, 9181..9294, 9368..9433		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622

Name	OJ991110_14.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	9102	End	9463
GI	none	Score	249
Exons	9102..9293, 9104..9295, 9104..9298, 9368..9463, 9371..9454, 9373..9462		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	9167	End	11167
GI	none	Score	88
Exons	9167..9298, 9168..9293, 9182..9295, 9368..9469, 10159..10380, 10180..10371, 10460..10687, 10464..10628, 10777..10836, 11033..11167, 11044..11154		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o2.ts	Method	TBLASTX:Soybean
Start	9970	End	10311
GI	none	Score	88
Exons	9970..10059, 9971..10060, 10162..10206, 10163..10228, 10207..10311, 10210..10311		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o1.gp	Method	AAT/GAP
Start	10183	End	10641
GI	LIB3432-048-P2-K1-C11	Score	630
Exons	10183..10368, 10463..10641		
GI Descrip.	'3327394 1.0e-41 (AC004483) putative RNA helicase [Arabidopsis thaliana]'		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o7.tm	Method	TBLASTX:Maize
Start	12738	End	14567
GI	none	Score	205
Exons	12738..12962, 12744..12959, 14461..14562, 14463..14567, 14475..14567		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19832	Strand	-
Start	7770	End	14622
Name	OJ991110_14.0211.C6.o3.tc	Method	TBLASTX:Cress
Start	12828	End	14622
GI	none	Score	111
Exons	12828..12959, 14460..14609, 14461..14622		

Seq. No.	9276	Seq. ID	OJ991110_14.0211.C6
Gene No.	19833	Strand	
Start	14945	End	15592
Name	OJ991110_14.0211.C6.o5.tm	Method	TBLASTX:Maize
Start	14945	End	15592

GI	none	Score	154
Exons	14945..15040, 14946..15041, 14950..15054, 15174..15299, 15176..15289, 15177..15299, 15178..15306, 15184..15306, 15191..15316, 15455..15592, 15459..15554, 15460..15591, 15482..15592		

Seq. No.	9277	Seq. ID	OJ991110_14.0211.C7
Gene No.	19834	Strand	+
Start	1	End	508
Name	OJ991110_14.0211.C7.o1.gp	Method	AAT/GAP
Start	1	End	508
GI	none	Score	696
Exons	1..92, 149..508		

Seq. No.	9277	Seq. ID	OJ991110_14.0211.C7
Gene No.	19834	Strand	+
Start	1	End	508
Name	OJ991110_14.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	149	End	412
GI	none	Score	194
Exons	149..289, 149..292, 353..412, 372..410		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19835	Strand	+
Start	918	End	3349
Name	OJ991110_14.0211.C8.o1.gs	Method	GENSCAN
Start	918	End	3349
GI	none	Score	.41
Exons	918..1113, 3102..3154, 3239..3349		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19836	Strand	-
Start	557	End	640
Name	OJ991110_14.0211.C8.o1.gp	Method	AAT/GAP
Start	557	End	640
GI	5455354	Score	112
Exons	557..640		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o2.gp	Method	AAT/GAP
Start	4428	End	4965
GI	none	Score	959
Exons	4428..4965		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o2.gs	Method	GENSCAN
Start	4655	End	11112
GI	none	Score	.73
Exons	4655..4964, 5552..5664, 5757..5819, 5962..6294, 6450..6536, 7689..7751, 7956..8102, 8421..8549, 8858..9034, 9078..9319, 9669..9858, 10044..10259, 10888..11112		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o3.gp	Method	AAT/GAP
Start	5394	End	8919
GI	9322_1.R1084	Score	2419
Exons	5394..5664, 5757..5819, 5962..6047, 6207..6294, 6450..6536, 6900..6994, 7097..7179, 7357..7416, 7500..7546, 7689..7751, 7956..8102, 8252..8353, 8421..8549, 8858..8919		
GI Descrip.	'3006145/emb|CAA18386| 1.0e-105 (AL022299) ABC transporter [Schizosaccharomyces pombe]'		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o1.np	Method	AAT/NAP
Start	5542	End	15315
GI	6633814	Score	2287
Exons	5542..5664, 5757..5819, 5962..6047, 6207..6294, 6450..6536, 6900..7179, 7357..7416, 7500..7546, 7689..7751, 7901..8102, 8252..8353, 8421..8549, 8858..9010, 9111..9319, 9669..9929, 10044..10259, 10867..11049, 15252..15315		
GI Descrip.	(AC009519) F1N19.11 [Arabidopsis thaliana]		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o4.gp	Method	AAT/GAP
Start	9804	End	11170
GI	none	Score	1017
Exons	9804..9858, 10044..10259, 10888..11170		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o5.gp	Method	AAT/GAP
Start	14541	End	15633
GI	36122_1.R1084	Score	964
Exons	14541..14888, 15197..15252, 15380..15454, 15601..15633		
GI Descrip.	'1946300/emb|CAA73132| 2.0e-18 (Y12529) hypothetical protein [Silene latifolia]'		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o4.gs	Method	GENSCAN
Start	14813	End	20767
GI	none	Score	.72
Exons	14813..14888, 15197..15252, 15380..15454, 15601..15697, 15774..15898, 16415..16438, 16647..16807, 17347..17417, 19755..19841, 20096..20232, 20352..20415, 20703..20767		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o2.np	Method	AAT/NAP

Start	14825	End	20767
GI	1946300	Score	1275
Exons	14825..14888, 15197..15252, 15380..15454, 15601..15697, 15774..15898, 16415..16519, 16647..16784, 17110..17177, 17347..17417, 17520..17580, 17834..17924, 18616..18694, 18783..18843, 18928..19005, 19097..19166, 19265..19339, 19471..19546, 19755..19841, 20096..20232, 20352..20415, 20703..20767		
GI Descrip.	(Y12529) hypothetical protein [Silene latifolia]		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19837	Strand	-
Start	4428	End	20767
Name	OJ991110_14.0211.C8.o7.gp	Method	AAT/GAP
Start	18924	End	20213
GI	uC-osflm202109f08b1	Score	888
Exons	18924..19005, 19097..19166, 19265..19339, 19471..19546, 19755..19841, 20096..20213		
GI Descrip.	'1946300/emb|CAA73132| 3.0e-56 (Y12529) hypothetical protein [Silene latifolia]'		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	5548	End	8551
GI	none	Score	114
Exons	5548..5673, 5576..5671, 5754..5819, 5755..5820, 5960..6049, 5962..6060, 5962..6048, 6199..6300, 6206..6304, 6441..6539, 6442..6537, 6444..6548, 6870..7007, 6895..7002, 6896..7021, 6897..7025, 7096..7182, 7098..7181, 7123..7200, 7354..7416, 7359..7415, 7496..7549, 7500..7553, 7689..7769, 7689..7748, 7956..8102, 7957..8103, 8222..8353, 8248..8367, 8250..8354, 8255..8353, 8269..8355, 8421..8549, 8421..8501, 8427..8549, 8455..8550, 8480..8551		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o2.tc	Method	TBLASTX:Cress
Start	5548	End	8501
GI	none	Score	100
Exons	5548..5673, 5579..5665, 5601..5672, 5754..5819, 5755..5820, 5960..6049, 5962..6060, 6199..6294, 6199..6294, 6206..6337, 6450..6539, 6451..6537, 6895..7002, 6895..7002, 6897..7007, 7096..7182, 7098..7181, 8255..8353, 8421..8501		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o4.tm	Method	TBLASTX:Maize
Start	5550	End	5820
GI	none	Score	130
Exons	5550..5666, 5551..5673, 5754..5819, 5754..5819, 5755..5820		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-

Start	21984	End	31561
Name	OJ991110_14.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	5962	End	11076
GI	none	Score	143
Exons	5962..6048, 8058..8096, 8243..8353, 8258..8353, 8421..8549, 8421..8549, 8422..8556, 8480..8551, 8856..9017, 8857..9018, 8857..9018, 8897..9019, 9105..9320, 9106..9321, 9667..9861, 9667..9861, 10043..10135, 10043..10147, 10099..10260, 10134..10262, 10134..10259, 10885..10998, 10886..10960, 10999..11076		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o3.tm	Method	TBLASTX:Maize
Start	6187	End	8057
GI	none	Score	108
Exons	6187..6294, 6198..6296, 6199..6294, 6206..6304, 6209..6295, 6450..6539, 6451..6537, 6870..7007, 6895..6993, 7096..7194, 7098..7181, 7359..7415, 7359..7415, 7471..7551, 7492..7548, 7496..7549, 7500..7553, 7679..7750, 7688..7756, 7689..7757, 7956..8057, 7958..8056		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	8856	End	11076
GI	none	Score	68
Exons	8856..8939, 8867..8935, 8897..8953, 9106..9321, 9111..9320, 9666..9785, 9667..9861, 9689..9853, 10096..10260, 10101..10259, 10885..10968, 10975..11046, 11041..11076		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o3.tc	Method	TBLASTX:Cress
Start	8873	End	9336
GI	none	Score	81
Exons	8873..8968, 8897..8968, 9103..9321, 9114..9320, 9128..9325, 9160..9336		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o2.tw	Method	TBLASTX:Wheat
Start	11637	End	22352
GI	none	Score	188
Exons	11637..11678, 11716..11757, 11779..11988, 11784..11864, 11803..11988, 21982..22038, 21984..22034, 22122..22271, 22122..22271, 22123..22272, 22124..22279, 22275..22352		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o1.tw	Method	TBLASTX:Wheat
Start	12829	End	27789

GI	none	Score	94
Exons	12829..12981, 13054..13161, 13057..13158, 13064..13162, 13096..13161, 23420..23626, 23426..23626, 23657..23806, 23658..23804, 25700..25732, 25737..25784, 27616..27789, 27619..27765		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	14807	End	20457
GI	none	Score	67
Exons	14807..14890, 15197..15259, 15199..15258, 15380..15466, 15381..15455, 15776..15901, 16412..16522, 16647..16823, 16650..16835, 16650..16799, 16662..16802, 16678..16785, 17351..17419, 17361..17423, 17520..17582, 17522..17581, 17833..17925, 18613..18690, 18779..18844, 18914..19003, 19098..19169, 19265..19339, 19456..19560, 19754..19840, 20095..20235, 20095..20235, 20098..20214, 20101..20223, 20352..20423, 20353..20457		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o5.tm	Method	TBLASTX:Maize
Start	14807	End	17925
GI	none	Score	99
Exons	14807..14890, 14808..14891, 14813..14914, 15197..15247, 15199..15249, 15207..15260, 15327..15455, 15371..15454, 15377..15457, 15383..15457, 15600..15698, 15600..15698, 15601..15699, 15773..15904, 15775..15900, 16406..16522, 16407..16487, 16412..16525, 17105..17188, 17105..17185, 17347..17418, 17351..17419, 17352..17426, 17522..17581, 17522..17581, 17527..17583, 17800..17922, 17832..17924, 17833..17925		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	16650	End	20782
GI	none	Score	46
Exons	16650..16784, 18613..18723, 18651..18695, 18652..18693, 18653..18718, 18782..18844, 18783..18842, 18785..18865, 18914..19006, 18927..19007, 18931..19011, 19100..19168, 19101..19169, 19102..19167, 19264..19341, 19265..19339, 19459..19554, 19472..19549, 19472..19561, 19725..19841, 19743..19832, 19745..19840, 20095..20235, 20095..20235, 20351..20416, 20352..20417, 20352..20423, 20353..20451, 20701..20766, 20702..20782, 20703..20768		

Seq. No.	9278	Seq. ID	OJ991110_14.0211.C8
Gene No.	19838	Strand	-
Start	21984	End	31561
Name	OJ991110_14.0211.C8.o5.gs	Method	GENSCAN
Start	21984	End	31561
GI	none	Score	.42

Exons	21984..22526, 22956..22986, 23127..23809, 25984..26029, 26205..26402, 26487..26584, 27372..27515, 27738..27800, 27870..28010, 30617..30782, 31263..31561		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19839	Strand	+
Start	3005	End	21387
Name	OJ991110_13.0211.C4.o1.np	Method	AAT/NAP
Start	3005	End	9082
GI	5922631	Score	6711
Exons	3005..3129, 3388..3632, 3891..4087, 4133..4716, 4759..4910, 5037..5963, 6556..9082		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19839	Strand	+
Start	3005	End	21387
Name	OJ991110_13.0211.C4.o3.np	Method	AAT/NAP
Start	8511	End	19161
GI	4033606	Score	89
Exons	8511..8536, 18421..18485, 18703..18802, 18968..19161		
GI Descrip.	(AB008227) Extensin [Adiantum capillus-veneris]		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19839	Strand	+
Start	3005	End	21387
Name	OJ991110_13.0211.C4.o4.gs	Method	GENSCAN
Start	19001	End	21387
GI	none	Score	.71
Exons	19001..19080, 19183..19254, 20433..20482, 21281..21387		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19839	Strand	+
Start	3005	End	21387
Name	OJ991110_13.0211.C4.o1.gp	Method	AAT/GAP
Start	20667	End	21334
GI	83529_1.R1084	Score	1071
Exons	20667..21334		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-79 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19840	Strand	-
Start	9455	End	12385
Name	OJ991110_13.0211.C4.o2.gs	Method	GENSCAN
Start	9455	End	12385
GI	none	Score	.83
Exons	9455..9906, 10156..10345, 10420..10607, 10827..11044, 11127..11173, 11210..11416, 11501..11835, 12268..12385		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4

Gene No.	19840	Strand	-
Start	9455	End	12385
Name	OJ991110_13.0211.C4.o2.np	Method	AAT/NAP
Start	9467	End	12385
GI	6691716	Score	2593
Exons	9467..9906, 9980..10100, 10250..10345, 10420..10607, 10686..10865, 10942..11044, 11127..11292, 11482..12385		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o8.tw	Method	TBLASTX:Wheat
Start	4321	End	4723
GI	none	Score	259
Exons	4321..4383, 4322..4723		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	5303	End	6100
GI	none	Score	146
Exons	5303..5479, 5524..5760, 5528..5758, 5807..6100, 5950..6096		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o3.ts	Method	TBLASTX:Soybean
Start	6020	End	6385
GI	none	Score	127
Exons	6020..6244, 6251..6385		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o7.tw	Method	TBLASTX:Wheat
Start	6101	End	6335
GI	none	Score	267
Exons	6101..6334, 6101..6334, 6171..6335		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o3.tm	Method	TBLASTX:Maize
Start	6110	End	6452
GI	none	Score	304
Exons	6110..6409, 6149..6394, 6151..6396, 6390..6452		

Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o2.tw	Method	TBLASTX:Wheat
Start	6335	End	6740
GI	none	Score	94

Exons	6335..6400, 6337..6396, 6395..6739, 6396..6740		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	6480	End	6848
GI	none	Score	340
Exons	6480..6848, 6584..6820		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	6624	End	6981
GI	none	Score	192
Exons	6624..6827, 6635..6775, 6841..6981, 6842..6970		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o6.tw	Method	TBLASTX:Wheat
Start	6788	End	7183
GI	none	Score	58
Exons	6788..6829, 6789..6845, 6830..7183, 6830..6985, 6859..6996, 7059..7112, 7063..7182		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	7241	End	7629
GI	none	Score	84
Exons	7241..7345, 7249..7335, 7385..7627, 7390..7629		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o5.tw	Method	TBLASTX:Wheat
Start	7250	End	7672
GI	none	Score	402
Exons	7250..7672, 7252..7596		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o5.tm	Method	TBLASTX:Maize
Start	7304	End	7576
GI	none	Score	111
Exons	7304..7459, 7463..7576		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o10.tw	Method	TBLASTX:Wheat
Start	7688	End	7987
GI	none	Score	135

Exons	7688..7822, 7700..7831, 7889..7987		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	7984	End	8347
GI	none	Score	433
Exons	7984..8295, 7985..8308, 8300..8347		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o4.tw	Method	TBLASTX:Wheat
Start	7988	End	8379
GI	none	Score	412
Exons	7988..8146, 7990..8301, 7991..8377, 8192..8377, 8332..8379		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o3.tw	Method	TBLASTX:Wheat
Start	8492	End	9106
GI	none	Score	371
Exons	8492..8983, 8512..8598, 8647..8754, 8969..9106		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o4.tm	Method	TBLASTX:Maize
Start	8813	End	9067
GI	none	Score	152
Exons	8813..8986, 8842..8985, 8965..9066, 8966..9067		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o9.tw	Method	TBLASTX:Wheat
Start	11975	End	12283
GI	none	Score	196
Exons	11975..12283		
Seq. No.	9279	Seq. ID	OJ991110_13.0211.C4
Gene No.	19841	Strand	-
Start	21764	End	26278
Name	OJ991110_13.0211.C4.o4.np	Method	AAT/NAP
Start	21764	End	26278
GI	4388825	Score	128
Exons	21764..21810, 22939..23193, 26253..26278		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19842	Strand	+
Start	85	End	619
Name	OJ991110_13.0211.C5.o1.gs	Method	GENSCAN
Start	85	End	619

GI	none	Score	.8
Exons	85..181, 501..619		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19843	Strand	+
Start	6111	End	6762
Name	OJ991110_13.0211.C5.o4.gs	Method	GENSCAN
Start	6111	End	6762
GI	none	Score	.61
Exons	6111..6217, 6247..6320, 6566..6762		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o1.np	Method	AAT/NAP
Start	502	End	9749
GI	4680179	Score	3481
Exons	502..2807, 4763..5107, 7330..8874, 9596..9749		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o5.tw	Method	TBLASTX:Wheat
Start	543	End	866
GI	none	Score	84
Exons	543..713, 714..866, 728..865		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o2.gs	Method	GENSCAN
Start	719	End	1687
GI	none	Score	.99
Exons	719..1687		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	725	End	1309
GI	none	Score	238
Exons	725..1153, 858..1154, 1140..1304, 1151..1309, 1156..1242, 1158..1307		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	866	End	1492
GI	none	Score	302
Exons	866..1492, 867..1448		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o3.tm	Method	TBLASTX:Maize

Start	1361	End	1653
GI	none	Score	238
Exons	1361..1648, 1365..1649, 1367..1651, 1552..1653		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o2.ts	Method	TBLASTX:Soybean
Start	1450	End	1699
GI	none	Score	156
Exons	1450..1668, 1451..1699, 1452..1673, 1550..1699		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o3.tw	Method	TBLASTX:Wheat
Start	1499	End	1983
GI	none	Score	187
Exons	1499..1711, 1503..1700, 1503..1712, 1684..1944, 1700..1771, 1702..1983		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o3.gs	Method	GENSCAN
Start	1993	End	5139
GI	none	Score	.66
Exons	1993..2510, 3398..3764, 3792..4291, 4371..5139		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o2.tm	Method	TBLASTX:Maize
Start	2044	End	2397
GI	none	Score	137
Exons	2044..2397, 2050..2346, 2051..2377		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o2.tw	Method	TBLASTX:Wheat
Start	2044	End	2461
GI	none	Score	223
Exons	2044..2421, 2044..2460, 2051..2461		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o3.ts	Method	TBLASTX:Soybean
Start	2218	End	2460
GI	none	Score	50
Exons	2218..2460, 2219..2278, 2333..2443		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o4.tm	Method	TBLASTX:Maize

Start	2404	End	2752
GI	none	Score	143
Exons	2404..2460, 2441..2752, 2472..2684		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o4.tw	Method	TBLASTX:Wheat
Start	2465	End	2773
GI	none	Score	151
Exons	2465..2761, 2465..2773, 2469..2771		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	2486	End	2797
GI	none	Score	185
Exons	2486..2797, 2487..2714		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o9.tw	Method	TBLASTX:Wheat
Start	2788	End	7415
GI	none	Score	112
Exons	2788..2922, 2792..2923, 7325..7411, 7335..7415		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o6.tw	Method	TBLASTX:Wheat
Start	4531	End	8648
GI	none	Score	64
Exons	4531..5025, 4735..5001, 8532..8648		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o5.gs	Method	GENSCAN
Start	7190	End	9011
GI	none	Score	.96
Exons	7190..7512, 7969..8484, 8555..9011		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o7.tw	Method	TBLASTX:Wheat
Start	7424	End	7840
GI	none	Score	66
Exons	7424..7555, 7449..7550, 7649..7840		

Seq. No.	9280	Seq. ID	OJ991110_13.0211.C5
Gene No.	19844	Strand	-
Start	502	End	9749
Name	OJ991110_13.0211.C5.o8.tw	Method	TBLASTX:Wheat
Start	8673	End	8862

GI	none	Score	127
Exons	8673..8861, 8689..8862		

Seq. No.	9281	Seq. ID	OJ991110_13.0211.C6
Gene No.	19845	Strand	+
Start	630	End	1223
Name	OJ991110_13.0211.C6.o1.gs	Method	GENSCAN
Start	630	End	1223
GI	none	Score	.58
Exons	630..758, 1095..1223		

Seq. No.	9281	Seq. ID	OJ991110_13.0211.C6
Gene No.	19846	Strand	-
Start	1967	End	2478
Name	OJ991110_13.0211.C6.o2.gs	Method	GENSCAN
Start	1967	End	2478
GI	none	Score	.61
Exons	1967..2106, 2147..2290, 2340..2478		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19847	Strand	+
Start	4926	End	14596
Name	OJ991110_13.0211.C7.o1.np	Method	AAT/NAP
Start	4926	End	11327
GI	6705984	Score	2575
Exons	4926..4958, 7069..7140, 8469..11327		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19847	Strand	+
Start	4926	End	14596
Name	OJ991110_13.0211.C7.o3.gs	Method	GENSCAN
Start	8297	End	14596
GI	none	Score	.41
Exons	8297..8333, 8432..8507, 8620..8782, 8825..8890, 9161..9651, 10738..10874, 11260..11384, 11919..11991, 12068..12538, 13839..13941, 14572..14596		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19848	Strand	+
Start	15132	End	16097
Name	OJ991110_13.0211.C7.o4.gs	Method	GENSCAN
Start	15132	End	16097
GI	none	Score	.75
Exons	15132..15257, 15954..16097		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19849	Strand	-
Start	4031	End	7602
Name	OJ991110_13.0211.C7.o2.gs	Method	GENSCAN
Start	4031	End	7602
GI	none	Score	.61
Exons	4031..4171, 4912..5132, 5445..5525, 5944..6029, 6472..6529, 6598..6665, 6816..7425, 7557..7602		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-

Start	20508	End	24434
Name	OJ991110_13.0211.C7.o3.tw	Method	TBLASTX:Wheat
Start	8744	End	9235
GI	none	Score	274
Exons	8744..9025, 8764..8991, 9027..9152, 9027..9173, 9028..9183, 9038..9235		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o2.ts	Method	TBLASTX:Soybean
Start	8837	End	9193
GI	none	Score	152
Exons	8837..9052, 8860..9054, 9021..9062, 9055..9186, 9056..9187, 9059..9193		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o5.tm	Method	TBLASTX:Maize
Start	8984	End	9217
GI	none	Score	225
Exons	8984..9217, 8990..9208		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o3.tm	Method	TBLASTX:Maize
Start	9389	End	9589
GI	none	Score	57
Exons	9389..9442, 9445..9582, 9446..9589		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o6.tm	Method	TBLASTX:Maize
Start	9794	End	10037
GI	none	Score	215
Exons	9794..10024, 9795..10037		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	9797	End	10224
GI	none	Score	634
Exons	9797..9901, 9798..10223, 9808..10224, 9810..10223		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	9809	End	10081
GI	none	Score	252
Exons	9809..9994, 9810..9986, 9990..10076, 9992..10081		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7

Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	10179	End	10538
GI	none	Score	394
Exons	10179..10538, 10211..10537		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	10256	End	10601
GI	none	Score	468
Exons	10256..10600, 10257..10601		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o4.tw	Method	TBLASTX:Wheat
Start	10350	End	10709
GI	none	Score	381
Exons	10350..10709, 10350..10700, 10355..10702		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o2.tw	Method	TBLASTX:Wheat
Start	10740	End	11138
GI	none	Score	443
Exons	10740..11138, 10742..11128		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o2.tm	Method	TBLASTX:Maize
Start	11058	End	11303
GI	none	Score	310
Exons	11058..11303, 11058..11294, 11096..11302		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o4.tm	Method	TBLASTX:Maize
Start	11493	End	12018
GI	none	Score	198
Exons	11493..11897, 11590..11811, 11619..11819, 11815..11868, 11816..11920, 11902..11967, 11922..12017, 11922..12017, 11971..12018		

Seq. No.	9282	Seq. ID	OJ991110_13.0211.C7
Gene No.	19850	Strand	-
Start	20508	End	24434
Name	OJ991110_13.0211.C7.o6.gs	Method	GENSCAN
Start	20508	End	24434
GI	none	Score	.81
Exons	20508..20624, 20710..20998, 21065..21235, 21314..22200, 22288..22734, 22813..23544, 24041..24434		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19851	Strand	+
Start	5028	End	5291
Name	OJ991110_13.0211.C8.o1.gp	Method	AAT/GAP
Start	5028	End	5291
GI	61605_3.R1084	Score	418
Exons	5028..5291		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19852	Strand	+
Start	5605	End	6216
Name	OJ991110_13.0211.C8.o3.gp	Method	AAT/GAP
Start	5605	End	6216
GI	uC-osf1M202048c12b1	Score	603
Exons	5605..5624, 5754..6101, 6152..6216		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19853	Strand	+
Start	6788	End	7631
Name	OJ991110_13.0211.C8.o2.gs	Method	GENSCAN
Start	6788	End	7631
GI	none	Score	.65
Exons	6788..6871, 6949..7296, 7533..7631		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19854	Strand	+
Start	8683	End	8755
Name	OJ991110_13.0211.C8.o3.gs	Method	GENSCAN
Start	8683	End	8755
GI	none	Score	.82
Exons	8683..8755		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19855	Strand	-
Start	470	End	5077
Name	OJ991110_13.0211.C8.o1.gs	Method	GENSCAN
Start	470	End	3744
GI	none	Score	.59
Exons	470..1743, 1935..2072, 2280..3177, 3319..3744		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19855	Strand	-
Start	470	End	5077
Name	OJ991110_13.0211.C8.o1.np	Method	AAT/NAP
Start	503	End	5077
GI	4680203	Score	1982
Exons	503..1438, 1715..1956, 2116..3758, 5039..5077		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509

Name	OJ991110_13.0211.C8.o1.tw	Method	TBLASTX:Wheat
Start	581	End	1819
GI	none	Score	67
Exons	581..700, 701..805, 702..806, 824..877, 877..921, 878..928, 944..1084, 945..1070, 1082..1282, 1092..1229, 1287..1787, 1289..1819		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	674	End	892
GI	none	Score	93
Exons	674..892, 708..890		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o2.tc	Method	TBLASTX:Cress
Start	1118	End	1544
GI	none	Score	44
Exons	1118..1282, 1122..1229, 1287..1544, 1289..1540		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	1475	End	1790
GI	none	Score	155
Exons	1475..1789, 1494..1790		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o3.tm	Method	TBLASTX:Maize
Start	1963	End	2178
GI	none	Score	79
Exons	1963..2154, 1964..2152, 1978..2178		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o4.tw	Method	TBLASTX:Wheat
Start	1975	End	2244
GI	none	Score	47
Exons	1975..2037, 1985..2026, 2038..2157, 2041..2157, 2042..2158, 2191..2244		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o4.ts	Method	TBLASTX:Soybean
Start	2269	End	2503
GI	none	Score	78
Exons	2269..2502, 2278..2478, 2342..2503		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8

Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	2338	End	2787
GI	none	Score	53
Exons	2338..2532, 2341..2532, 2354..2557, 2539..2781, 2555..2782, 2569..2787		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o3.tw	Method	TBLASTX:Wheat
Start	2377	End	2721
GI	none	Score	85
Exons	2377..2532, 2378..2626, 2576..2671, 2578..2673, 2680..2721		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	2626	End	2973
GI	none	Score	97
Exons	2626..2973, 2627..2779, 2819..2968		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o3.ts	Method	TBLASTX:Soybean
Start	2707	End	2974
GI	none	Score	122
Exons	2707..2970, 2708..2974		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o2.tw	Method	TBLASTX:Wheat
Start	2722	End	3402
GI	none	Score	91
Exons	2722..2847, 2854..2973, 2867..2977, 2986..3402, 3113..3313		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	2993	End	3330
GI	none	Score	198
Exons	2993..3277, 2995..3276, 3275..3325, 3283..3330		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o2.np	Method	AAT/NAP
Start	5699	End	9509
GI	5852175	Score	63
Exons	5699..5806, 6414..6462, 9482..9509		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	9283	Seq. ID	OJ991110_13.0211.C8
Gene No.	19856	Strand	-
Start	5699	End	9509
Name	OJ991110_13.0211.C8.o4.gp	Method	AAT/GAP
Start	8867	End	8967
GI	LIB3477-003-P1-K1-E9	Score	146
Exons	8867..8967		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9284	Seq. ID	OJ991110_13.0211.C9
Gene No.	19857	Strand	+
Start	658	End	4416
Name	OJ991110_13.0211.C9.o1.gs	Method	GENSCAN
Start	658	End	3158
GI	none	Score	.64
Exons	658..665, 2051..2180, 2949..3158		

Seq. No.	9284	Seq. ID	OJ991110_13.0211.C9
Gene No.	19857	Strand	+
Start	658	End	4416
Name	OJ991110_13.0211.C9.o2.np	Method	AAT/NAP
Start	1709	End	4416
GI	5042463	Score	142
Exons	1709..1732, 3255..3464, 4128..4282, 4334..4416		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	9284	Seq. ID	OJ991110_13.0211.C9
Gene No.	19857	Strand	+
Start	658	End	4416
Name	OJ991110_13.0211.C9.o1.np	Method	AAT/NAP
Start	1889	End	3453
GI	5852181	Score	116
Exons	1889..2176, 3411..3453		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19858	Strand	+
Start	1	End	3921
Name	OJ991110_13.0211.C10.o1.np	Method	AAT/NAP
Start	1	End	3921
GI	4680203	Score	715
Exons	1..23, 579..1728, 3894..3921		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19859	Strand	+
Start	8250	End	19843
Name	OJ991110_13.0211.C10.o3.gs	Method	GENSCAN
Start	8250	End	19843
GI	none	Score	.55
Exons	8250..8261, 10359..10496, 11816..11979, 12607..12802, 14250..14269, 16352..16436, 16497..16670, 16731..16867, 16900..16957, 17396..17677, 17868..18065, 18366..18632, 19745..19843		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19859	Strand	+
Start	8250	End	19843
Name	OJ991110_13.0211.C10.o2.np	Method	AAT/NAP
Start	17519	End	18944
GI	5852084	Score	68
Exons	17519..17551, 18861..18944		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19860	Strand	-
Start	4220	End	4879
Name	OJ991110_13.0211.C10.o2.gs	Method	GENSCAN
Start	4220	End	4879
GI	none	Score	.52
Exons	4220..4879		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o4.tw	Method	TBLASTX:Wheat
Start	964	End	1450
GI	none	Score	66
Exons	964..1083, 1091..1318, 1327..1437, 1331..1450		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	1181	End	1597
GI	none	Score	114
Exons	1181..1321, 1186..1308, 1330..1596, 1334..1597		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	1331	End	1678
GI	none	Score	320
Exons	1331..1678, 1336..1485, 1525..1677		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o2.tm	Method	TBLASTX:Maize
Start	1465	End	1723
GI	none	Score	254
Exons	1465..1695, 1466..1723		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o3.tw	Method	TBLASTX:Wheat
Start	1465	End	1728
GI	none	Score	298
Exons	1465..1707, 1466..1726, 1471..1728, 1481..1726		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o1.tw	Method	TBLASTX:Wheat
Start	1737	End	2305
GI	none	Score	183
Exons	1737..1961, 1781..1951, 1930..2169, 1930..2256, 1955..2254, 2261..2305		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o3.tm	Method	TBLASTX:Maize
Start	1778	End	2068
GI	none	Score	149
Exons	1778..1957, 1779..1961, 1937..2050, 1955..2068		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o2.tc	Method	TBLASTX:Cress
Start	1999	End	2305
GI	none	Score	205
Exons	1999..2256, 2027..2254, 2261..2305		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o4.tm	Method	TBLASTX:Maize
Start	13697	End	13987
GI	none	Score	87
Exons	13697..13795, 13805..13987, 13811..13945		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o2.tw	Method	TBLASTX:Wheat
Start	14064	End	14434
GI	none	Score	129
Exons	14064..14303, 14066..14434		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	14159	End	14620
GI	none	Score	76
Exons	14159..14245, 14163..14246, 14258..14620, 14412..14618		

Seq. No.	9285	Seq. ID	OJ991110_13.0211.C10
Gene No.	19861	Strand	-
Start	20587	End	22109
Name	OJ991110_13.0211.C10.o4.gs	Method	GENSCAN
Start	20587	End	22109
GI	none	Score	.48
Exons	20587..20723, 21067..21421, 21786..22109		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19862	Strand	+
Start	116	End	3507
Name	OJ991020_16.0218.C1.o1.gs	Method	GENSCAN
Start	116	End	3507
GI	none	Score	.66
Exons	116..192, 255..933, 2005..2125, 2218..2292, 2642..2695, 2779..2873, 3006..3127, 3357..3507		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19862	Strand	+
Start	116	End	3507
Name	OJ991020_16.0218.C1.o1.np	Method	AAT/NAP
Start	136	End	3283
GI	4827060	Score	699
Exons	136..192, 276..933, 1037..1125, 1325..1400, 1551..1592, 2005..2125, 2218..2292, 2642..2703, 2904..3127, 3244..3283		
GI Descrip.	xylulokinase (H. influenzae) homolog gi|3298502|dbj|BAA31527| (AB015046) xylulokinase [Homo sapiens]		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o2.tc	Method	TBLASTX:Cress
Start	142	End	923
GI	none	Score	65
Exons	142..189, 149..193, 274..387, 276..377, 406..435, 406..471, 481..909, 501..923		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o3.ts	Method	TBLASTX:Soybean
Start	149	End	728
GI	none	Score	61
Exons	149..193, 274..396, 276..395, 406..435, 481..726, 501..728		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	481	End	3498
GI	none	Score	496
Exons	481..933, 501..932, 1025..1126, 1030..1140, 1314..1394, 1322..1390, 1521..1595, 1553..1594, 2004..2123, 2005..2178, 2216..2293, 2217..2315, 2641..2712, 2778..2885, 2855..2878, 2950..3123, 2952..3125, 2952..3125, 2953..3126, 3242..3286, 3243..3290, 3316..3498, 3318..3497		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	630	End	1090
GI	none	Score	368
Exons	630..932, 631..933, 1030..1089, 1037..1090		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o4.ts	Method	TBLASTX:Soybean
Start	1332	End	2694
GI	none	Score	97
Exons	1332..1394, 1337..1390, 1553..1594, 1554..1601, 2004..2123, 2005..2124, 2232..2315, 2247..2294, 2641..2694		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o3.tc	Method	TBLASTX:Cress
Start	1526	End	3495
GI	none	Score	70
Exons	1526..1594, 1530..1595, 2004..2129, 2005..2124, 2217..2315, 2230..2289, 2647..2694, 2777..2875, 2778..2885, 2952..3050, 2953..3051, 3051..3125, 3052..3126, 3255..3290, 3313..3408, 3415..3495, 3444..3494		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o3.tw	Method	TBLASTX:Wheat
Start	2974	End	3439
GI	none	Score	201
Exons	2974..3126, 2974..3123, 2981..3145, 2982..3125, 3242..3286, 3243..3290, 3243..3293, 3313..3396, 3407..3439		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o2.gs	Method	GENSCAN
Start	6133	End	9292
GI	none	Score	1
Exons	6133..6509, 6736..9292		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o2.np	Method	AAT/NAP
Start	6139	End	10207
GI	2160189	Score	1371
Exons	6139..6431, 6736..8986, 10188..10207		
GI Descrip.	(AC000132) Similar to A. thaliana receptor-like protein kinase (gb|RLK5_ARATH). ESTs gb|ATTS0475,gb|ATTS4362 come from this gene. [Arabidopsis thaliana]		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o1.tc	Method	TBLASTX:Cress
Start	6145	End	9088
GI	none	Score	81
Exons	6145..6312, 6398..6520, 6400..6510, 6737..6766, 6785..6973, 6807..6896, 7001..7129, 7005..7103, 7205..7342, 7206..7337, 7595..7993, 7595..7669, 7620..7928, 7631..7660, 7673..7753,		

7688..7915, 7697..8404, 7698..7856, 7700..7747, 7721..7882,
7754..8503, 7769..7897, 7818..8078, 7844..8623, 7908..8369,
7917..8180, 7919..8026, 7988..8710, 7988..8284, 8009..8179,
8060..8353, 8204..8497, 8204..8692, 8267..8503, 8297..8479,
8345..8473, 8348..8641, 8411..8710, 8441..8623, 8576..8710,
8756..8851, 8990..9088

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o4.tm	Method	TBLASTX:Maize
Start	6167	End	6360
GI	none	Score	181
Exons	6167..6322, 6175..6360, 6214..6342		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o3.tm	Method	TBLASTX:Maize
Start	6439	End	7354
GI	none	Score	77
Exons	6439..6510, 6737..6772, 6791..6973, 7001..7147, 7002..7112, 7205..7354, 7206..7349		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	6442	End	7660
GI	none	Score	108
Exons	6442..6510, 6737..6973, 6792..6899, 7001..7150, 7005..7112, 7082..7129, 7202..7339, 7202..7378, 7203..7352, 7571..7660, 7572..7649		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o2.tw	Method	TBLASTX:Wheat
Start	6842	End	7147
GI	none	Score	53
Exons	6842..6973, 6846..6893, 7001..7147, 7005..7112		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o2.tm	Method	TBLASTX:Maize
Start	7595	End	8974
GI	none	Score	95
Exons	7595..7657, 7631..8155, 7682..7954, 7682..8092, 7691..7915, 7691..7822, 7691..8026, 7692..8087, 7703..7918, 7754..8020, 7826..8092, 7835..8320, 7836..8072, 7901..8398, 7965..8360, 7973..8458, 7979..8245, 7986..8399, 8042..8326, 8043..8504, 8132..8602, 8132..8443, 8204..8452, 8276..8710, 8276..8503, 8339..8503, 8340..8504, 8348..8602, 8402..8686, 8411..8710, 8427..8465, 8555..8710, 8564..8689, 8564..8710, 8735..8974, 8735..8851, 8852..8950, 8855..8971		

Seq. No.	9286	Seq. ID	OJ991020_16.0218.C1
Gene No.	19863	Strand	-
Start	6133	End	10207
Name	OJ991020_16.0218.C1.o2.ts	Method	TBLASTX:Soybean
Start	7688	End	9088
GI	none	Score	38
Exons	7688..7912, 7763..8107, 7773..7970, 7835..8155, 7841..8134, 7901..8011, 7997..8155, 8048..8404, 8058..8369, 8067..8282, 8204..8503, 8204..8422, 8267..8620, 8271..8498, 8279..8497, 8411..8710, 8417..8728, 8421..8504, 8570..8698, 8786..9088		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19864	Strand	+
Start	6302	End	9423
Name	OJ991020_16.0218.C2.o2.gs	Method	GENSCAN
Start	6302	End	9218
GI	none	Score	.51
Exons	6302..6341, 6444..6515, 6677..6841, 6974..7108, 7313..7392, 7927..7966, 8127..8266, 8518..8607, 8747..8863, 9198..9218		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19864	Strand	+
Start	6302	End	9423
Name	OJ991020_16.0218.C2.o3.np	Method	AAT/NAP
Start	6595	End	9423
GI	6175185	Score	139
Exons	6595..6841, 6980..7108, 8127..8266, 8518..8607, 8747..8863, 9355..9423		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o1.np	Method	AAT/NAP
Start	1	End	4238
GI	6466937	Score	2340
Exons	1..3554, 3609..4238		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o1.gs	Method	GENSCAN
Start	21	End	4680
GI	none	Score	.49
Exons	21..1051, 1396..2689, 2724..4536, 4547..4680		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o4.tm	Method	TBLASTX:Maize
Start	22	End	606
GI	none	Score	86
Exons	22..174, 24..209, 189..605, 238..606		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2

Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o5.tw	Method	TBLASTX:Wheat
Start	121	End	404
GI	none	Score	98
Exons	121..393, 129..404		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	405	End	992
GI	none	Score	286
Exons	405..554, 600..992		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	612	End	1246
GI	none	Score	185
Exons	612..1052, 612..1175, 613..1137, 1184..1246		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	840	End	1205
GI	none	Score	128
Exons	840..1205, 931..1176		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o4.tw	Method	TBLASTX:Wheat
Start	1080	End	1474
GI	none	Score	39
Exons	1080..1163, 1081..1137, 1181..1474, 1191..1274		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o5.tm	Method	TBLASTX:Maize
Start	1247	End	1670
GI	none	Score	133
Exons	1247..1474, 1499..1669, 1500..1670		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	1658	End	1915
GI	none	Score	97
Exons	1658..1915, 1716..1913		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-

Start	1	End	4680
Name	OJ991020_16.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	1672	End	2200
GI	none	Score	234
Exons	1672..1869, 1673..2167, 1673..2200, 1683..2195		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o3.tw	Method	TBLASTX:Wheat
Start	1823	End	2224
GI	none	Score	133
Exons	1823..2224, 1857..2192		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	1937	End	2315
GI	none	Score	63
Exons	1937..2050, 1937..2296, 1965..2315		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	2219	End	2701
GI	none	Score	254
Exons	2219..2701, 2252..2692		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	2273	End	2686
GI	none	Score	146
Exons	2273..2686, 2307..2651		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o4.ts	Method	TBLASTX:Soybean
Start	2405	End	2692
GI	none	Score	198
Exons	2405..2692		

Seq. No.	9287	Seq. ID	OJ991020_16.0218.C2
Gene No.	19865	Strand	-
Start	1	End	4680
Name	OJ991020_16.0218.C2.o6.tm	Method	TBLASTX:Maize
Start	2745	End	3585
GI	none	Score	70
Exons	2745..2837, 2961..3056, 3138..3239, 3312..3386, 3426..3584, 3427..3585		

Seq. No.	9288	Seq. ID	OJ991020_16.0218.C3
Gene No.	19866	Strand	+

Start	1	End	2375
Name	OJ991020_16.0218.C3.o1.np	Method	AAT/NAP
Start	1	End	2375
GI	6175185	Score	155
Exons	1..152, 590..741, 1259..1429, 1529..1606, 2316..2375		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	9288	Seq. ID	OJ991020_16.0218.C3
Gene No.	19866	Strand	+
Start	1	End	2375
Name	OJ991020_16.0218.C3.o1.gs	Method	GENSCAN
Start	664	End	2362
GI	none	Score	.94
Exons	664..741, 1259..1429, 1529..1608, 2206..2362		

Seq. No.	9289	Seq. ID	OJ991020_16.0218.C4
Gene No.	19867	Strand	+
Start	207	End	1733
Name	OJ991020_16.0218.C4.o1.gs	Method	GENSCAN
Start	207	End	1733
GI	none	Score	.82
Exons	207..289, 543..654, 1398..1472, 1554..1733		

Seq. No.	9289	Seq. ID	OJ991020_16.0218.C4
Gene No.	19868	Strand	+
Start	10376	End	12751
Name	OJ991020_16.0218.C4.o2.np	Method	AAT/NAP
Start	10376	End	12751
GI	6539588	Score	246
Exons	10376..10398, 11100..11405, 12725..12751		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9289	Seq. ID	OJ991020_16.0218.C4
Gene No.	19869	Strand	-
Start	2243	End	3108
Name	OJ991020_16.0218.C4.o1.gp	Method	AAT/GAP
Start	2243	End	3108
GI	30223_1.R1084	Score	1666
Exons	2243..3108		
GI Descrip.	'4455270/emb|CAB36806.1| 2.0e-10 (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	9289	Seq. ID	OJ991020_16.0218.C4
Gene No.	19869	Strand	-
Start	2243	End	3108
Name	OJ991020_16.0218.C4.o2.gs	Method	GENSCAN
Start	2660	End	3082
GI	none	Score	.81
Exons	2660..3082		

Seq. No.	9289	Seq. ID	OJ991020_16.0218.C4
Gene No.	19869	Strand	-
Start	2243	End	3108
Name	OJ991020_16.0218.C4.o1.np	Method	AAT/NAP
Start	2663	End	3064
GI	4455270	Score	296
Exons	2663..3064		

GI Descrip. (AL035527) putative protein [Arabidopsis thaliana]

Seq. No.	9289	Seq. ID	OJ991020_16.0218.C4
Gene No.	19870	Strand	-
Start	5271	End	7376
Name	OJ991020_16.0218.C4.o3.gs	Method	GENSCAN
Start	5271	End	7376
GI	none	Score	.57
Exons	5271..5386, 5503..5570, 5680..5755, 5878..5925, 6269..6347, 6376..6586, 6990..7250, 7297..7376		

Seq. No.	9289	Seq. ID	OJ991020_16.0218.C4
Gene No.	19871	Strand	-
Start	14244	End	19153
Name	OJ991020_16.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	206	End	1762
GI	none	Score	76
Exons	206..289, 234..290, 539..649, 541..654, 542..649, 1395..1478, 1397..1471, 1593..1664, 1593..1655, 1594..1695, 1662..1733, 1662..1733, 1664..1762		

Seq. No.	9289	Seq. ID	OJ991020_16.0218.C4
Gene No.	19871	Strand	-
Start	14244	End	19153
Name	OJ991020_16.0218.C4.o5.gs	Method	GENSCAN
Start	14244	End	19153
GI	none	Score	.65
Exons	14244..14317, 14506..15142, 16557..16620, 16715..16796, 18212..18300, 18564..18648, 19132..19153		

Seq. No.	9290	Seq. ID	OJ991020_16.0218.C5
Gene No.	19872	Strand	+
Start	73	End	458
Name	OJ991020_16.0218.C5.o1.gs	Method	GENSCAN
Start	73	End	458
GI	none	Score	.87
Exons	73..458		

Seq. No.	9290	Seq. ID	OJ991020_16.0218.C5
Gene No.	19873	Strand	+
Start	6417	End	7860
Name	OJ991020_16.0218.C5.o1.np	Method	AAT/NAP
Start	6417	End	7860
GI	6907088	Score	1041
Exons	6417..6554, 6731..6970, 7463..7860		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	9290	Seq. ID	OJ991020_16.0218.C5
Gene No.	19874	Strand	-
Start	2113	End	3501
Name	OJ991020_16.0218.C5.o2.gs	Method	GENSCAN
Start	2113	End	3501
GI	none	Score	1
Exons	2113..3501		

Seq. No.	9290	Seq. ID	OJ991020_16.0218.C5
Gene No.	19875	Strand	-

Start	4761	End	6641
Name	OJ991020_16.0218.C5.o3.gs	Method	GENSCAN
Start	4761	End	6641
GI	none	Score	.67
Exons	4761..5098, 5238..5538, 6519..6641		

Seq. No.	9291	Seq. ID	OJ991020_16.0218.C6
Gene No.	19876	Strand	+
Start	1	End	3789
Name	OJ991020_16.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	1027
GI	6907086	Score	372
Exons	1..46, 105..271, 501..885, 925..1027		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9291	Seq. ID	OJ991020_16.0218.C6
Gene No.	19876	Strand	+
Start	1	End	3789
Name	OJ991020_16.0218.C6.o1.gs	Method	GENSCAN
Start	567	End	3789
GI	none	Score	.65
Exons	567..864, 3173..3584, 3738..3789		

Seq. No.	9291	Seq. ID	OJ991020_16.0218.C6
Gene No.	19877	Strand	+
Start	6177	End	7666
Name	OJ991020_16.0218.C6.o2.np	Method	AAT/NAP
Start	6005	End	7666
GI	6907086	Score	1199
Exons	6005..6787, 6850..7091, 7317..7666		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9291	Seq. ID	OJ991020_16.0218.C6
Gene No.	19877	Strand	+
Start	6177	End	7666
Name	OJ991020_16.0218.C6.o3.gs	Method	GENSCAN
Start	6177	End	6756
GI	none	Score	1
Exons	6177..6210, 6311..6756		

Seq. No.	9291	Seq. ID	OJ991020_16.0218.C6
Gene No.	19878	Strand	-
Start	4102	End	4993
Name	OJ991020_16.0218.C6.o1.gp	Method	AAT/GAP
Start	4102	End	4607
GI	38782_1.R1084	Score	799
Exons	4102..4607		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	9291	Seq. ID	OJ991020_16.0218.C6
Gene No.	19878	Strand	-
Start	4102	End	4993
Name	OJ991020_16.0218.C6.o2.gs	Method	GENSCAN
Start	4400	End	4993
GI	none	Score	.87
Exons	4400..4473, 4939..4993		

Seq. No.	9291	Seq. ID	OJ991020_16.0218.C6
Gene No.	19879	Strand	-
Start	7285	End	7488
Name	OJ991020_16.0218.C6.o4.gs	Method	GENSCAN
Start	7285	End	7488
GI	none	Score	.99
Exons	7285..7488		

Seq. No.	9291	Seq. ID	OJ991020_16.0218.C6
Gene No.	19880	Strand	-
Start	9740	End	10205
Name	OJ991020_16.0218.C6.o5.gs	Method	GENSCAN
Start	9740	End	10205
GI	none	Score	.98
Exons	9740..10205		

Seq. No.	9292	Seq. ID	OJ991020_16.0218.C7
Gene No.	19881	Strand	-
Start	397	End	532
Name	OJ991020_16.0218.C7.o1.gs	Method	GENSCAN
Start	397	End	532
GI	none	Score	.69
Exons	397..532		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19882	Strand	+
Start	35	End	520
Name	OJ991020_16.0218.C8.o1.gs	Method	GENSCAN
Start	35	End	520
GI	none	Score	.73
Exons	35..520		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19883	Strand	+
Start	9084	End	11779
Name	OJ991020_16.0218.C8.o2.gp	Method	AAT/GAP
Start	9084	End	10809
GI	3768568	Score	1073
Exons	9084..9119, 9223..9283, 10098..10460, 10702..10809		
GI Descrip.	3540190 9.0e-35 (AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19883	Strand	+
Start	9084	End	11779
Name	OJ991020_16.0218.C8.o3.np	Method	AAT/NAP
Start	10180	End	11528
GI	3540190	Score	571
Exons	10180..10460, 10702..10848, 11126..11189, 11283..11528		
GI Descrip.	(AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19883	Strand	+
Start	9084	End	11779
Name	OJ991020_16.0218.C8.o4.gs	Method	GENSCAN
Start	10180	End	11492

GI	none	Score	.45
Exons	10180..10460, 10702..10848, 11345..11492		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19883	Strand	+
Start	9084	End	11779
Name	OJ991020_16.0218.C8.o3.gp	Method	AAT/GAP
Start	11145	End	11779
GI	uC-osflm202108c02b1	Score	1020
Exons	11145..11189, 11283..11779		
GI Descrip.	'3540190 9.0e-35 (AC004122) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19884	Strand	-
Start	1	End	9310
Name	OJ991020_16.0218.C8.o1.np	Method	AAT/NAP
Start	1	End	2432
GI	4733891	Score	611
Exons	1..24, 1511..1537, 1635..1790, 1890..2034, 2120..2227, 2265..2432		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19884	Strand	-
Start	1	End	9310
Name	OJ991020_16.0218.C8.o2.np	Method	AAT/NAP
Start	54	End	9310
GI	6523547	Score	309
Exons	54..380, 2757..2984, 3276..3330, 4814..5143, 9193..9310		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19884	Strand	-
Start	1	End	9310
Name	OJ991020_16.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	1517	End	2414
GI	none	Score	103
Exons	1517..1543, 1606..1734, 1635..1715, 1706..1792, 1713..1796, 1910..2035, 1912..2037, 1913..2032, 1915..2034, 2113..2202, 2115..2228, 2120..2221, 2298..2414, 2322..2408		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19884	Strand	-
Start	1	End	9310
Name	OJ991020_16.0218.C8.o2.gs	Method	GENSCAN
Start	1521	End	2462
GI	none	Score	.51
Exons	1521..1537, 1890..2034, 2301..2462		

Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19884	Strand	-
Start	1	End	9310
Name	OJ991020_16.0218.C8.o1.gp	Method	AAT/GAP
Start	3197	End	3397
GI	775_2.R1084	Score	263

Exons	3197..3397		
GI Descrip.	'2384760 0.0e+00 (AF016897) GDP dissociation inhibitor protein OsGDI2 [Oryza sativa]'		
Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19885	Strand	
Start	10147	End	11186
Name	OJ991020_16.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	10147	End	11186
GI	none	Score	179
Exons	10147..10323, 10173..10316, 10299..10466, 10341..10439, 10342..10479, 10682..10849, 11127..11186		
Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19885	Strand	
Start	10147	End	11186
Name	OJ991020_16.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	10180	End	10783
GI	none	Score	267
Exons	10180..10488, 10180..10293, 10194..10472, 10676..10783		
Seq. No.	9293	Seq. ID	OJ991020_16.0218.C8
Gene No.	19886	Strand	
Start	11159	End	11492
Name	OJ991020_16.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	11159	End	11492
GI	none	Score	44
Exons	11159..11191, 11160..11189, 11282..11449, 11283..11492, 11283..11492		
Seq. No.	9294	Seq. ID	OJ991020_16.0218.C9
Gene No.	19887	Strand	+
Start	1	End	2165
Name	OJ991020_16.0218.C9.o1.np	Method	AAT/NAP
Start	1	End	2110
GI	6573289	Score	1026
Exons	1..157, 446..722, 873..1146, 1464..1707, 1857..2110		
GI Descrip.	(AB008023) RXW8 [Arabidopsis thaliana]		
Seq. No.	9294	Seq. ID	OJ991020_16.0218.C9
Gene No.	19887	Strand	+
Start	1	End	2165
Name	OJ991020_16.0218.C9.o2.tm	Method	TBLASTX:Maize
Start	2	End	500
GI	none	Score	150
Exons	2..169, 2..160, 3..170, 449..499, 450..500, 450..497		
Seq. No.	9294	Seq. ID	OJ991020_16.0218.C9
Gene No.	19887	Strand	+
Start	1	End	2165
Name	OJ991020_16.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	18	End	1709
GI	none	Score	112
Exons	18..152, 443..715, 447..728, 870..1031, 1010..1102, 1093..1173, 1461..1709, 1484..1681		
Seq. No.	9294	Seq. ID	OJ991020_16.0218.C9

Gene No.	19887	Strand	+
Start	1	End	2165
Name	OJ991020_16.0218.C9.o1.gs	Method	GENSCAN
Start	82	End	2141
GI	none	Score	.81
Exons	82..157, 1029..1146, 1464..1697, 1931..2141		

Seq. No.	9294	Seq. ID	OJ991020_16.0218.C9
Gene No.	19887	Strand	+
Start	1	End	2165
Name	OJ991020_16.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	435	End	938
GI	none	Score	75
Exons	435..497, 443..493, 498..740, 499..651, 500..715, 870..938, 872..937		

Seq. No.	9294	Seq. ID	OJ991020_16.0218.C9
Gene No.	19887	Strand	+
Start	1	End	2165
Name	OJ991020_16.0218.C9.o2.ts	Method	TBLASTX:Soybean
Start	1009	End	1930
GI	none	Score	149
Exons	1009..1104, 1010..1102, 1093..1173, 1461..1706, 1469..1708, 1469..1705, 1859..1930		

Seq. No.	9294	Seq. ID	OJ991020_16.0218.C9
Gene No.	19887	Strand	+
Start	1	End	2165
Name	OJ991020_16.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	1508	End	2165
GI	none	Score	252
Exons	1508..1705, 1509..1697, 1510..1698, 1857..2165, 1859..2152		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19888	Strand	+
Start	4887	End	6229
Name	OJ991020_16.0218.C10.o2.gs	Method	GENSCAN
Start	4887	End	6229
GI	none	Score	.56
Exons	4887..5797, 5884..6229		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19888	Strand	+
Start	4887	End	6229
Name	OJ991020_16.0218.C10.o1.gp	Method	AAT/GAP
Start	5251	End	5486
GI	77525_1.R1084	Score	300
Exons	5251..5486		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19889	Strand	+
Start	13503	End	13929
Name	OJ991020_16.0218.C10.o2.gp	Method	AAT/GAP
Start	13503	End	13929
GI	4878407	Score	676

Exons	13503..13929		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19890	Strand	+
Start	14933	End	15041
Name	OJ991020_16.0218.C10.o3.gp	Method	AAT/GAP
Start	14933	End	15041
GI	uC-osflcyp088b12b1	Score	136
Exons	14933..15041		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19891	Strand	+
Start	17910	End	18853
Name	OJ991020_16.0218.C10.o3.np	Method	AAT/NAP
Start	17910	End	18853
GI	3540193	Score	149
Exons	17910..18060, 18825..18853		
GI Descrip.	(AC004122) Unknown protein [Arabidopsis thaliana]		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19892	Strand	-
Start	7672	End	12219
Name	OJ991020_16.0218.C10.o1.np	Method	AAT/NAP
Start	7672	End	12219
GI	6907086	Score	453
Exons	7672..7719, 10346..10736, 11019..11272, 11508..12219		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19893	Strand	-
Start	12668	End	14231
Name	OJ991020_16.0218.C10.o2.np	Method	AAT/NAP
Start	12668	End	14231
GI	4680186	Score	187
Exons	12668..12735, 13354..13463, 14040..14231		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o2.tc	Method	TBLASTX:Cress
Start	335	End	574
GI	none	Score	64
Exons	335..466, 466..546, 467..553, 550..573, 551..574		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o2.tw	Method	TBLASTX:Wheat
Start	335	End	5867
GI	none	Score	76
Exons	335..466, 466..546, 467..547, 550..573, 551..574, 5772..5867		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	335	End	574
GI	none	Score	70
Exons	335..466, 466..546, 467..547, 550..573, 551..574		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	335	End	600
GI	none	Score	69
Exons	335..475, 466..546, 467..553, 550..600		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	5884	End	6235
GI	none	Score	291
Exons	5884..6009, 5885..6199, 6176..6235		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	5885	End	6241
GI	none	Score	132
Exons	5885..5995, 5890..5991, 5996..6199, 6073..6156, 6175..6228, 6176..6241		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	5906	End	6238
GI	none	Score	257
Exons	5906..6199, 6175..6237, 6176..6238		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	5933	End	6247
GI	none	Score	67
Exons	5933..5995, 6008..6247, 6073..6222		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o4.gs	Method	GENSCAN
Start	14397	End	18453
GI	none	Score	.55
Exons	14397..14570, 14818..14923, 15107..15298, 15416..15585, 15647..15746, 17651..17844, 18384..18453		

Seq. No.	9295	Seq. ID	OJ991020_16.0218.C10
Gene No.	19894	Strand	-
Start	14397	End	18453
Name	OJ991020_16.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	17910	End	18029
GI	none	Score	197
Exons	17910..18029, 17912..18028		

Seq. No.	9296	Seq. ID	OJ991020_16.0218.C11
Gene No.	19895	Strand	+
Start	1	End	293
Name	OJ991020_16.0218.C11.o1.np	Method	AAT/NAP
Start	1	End	268
GI	3540193	Score	331
Exons	1..268		
GI Descrip.	(AC004122) Unknown protein [Arabidopsis thaliana]		

Seq. No.	9296	Seq. ID	OJ991020_16.0218.C11
Gene No.	19895	Strand	+
Start	1	End	293
Name	OJ991020_16.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	40	End	293
GI	none	Score	120
Exons	40..264, 51..212, 53..262, 54..293		

Seq. No.	9296	Seq. ID	OJ991020_16.0218.C11
Gene No.	19895	Strand	+
Start	1	End	293
Name	OJ991020_16.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	40	End	235
GI	none	Score	107
Exons	40..234, 48..212, 53..235		

Seq. No.	9296	Seq. ID	OJ991020_16.0218.C11
Gene No.	19895	Strand	+
Start	1	End	293
Name	OJ991020_16.0218.C11.o1.tc	Method	TBLASTX:Cress
Start	53	End	259
GI	none	Score	193
Exons	53..259, 53..223, 67..252		

Seq. No.	9297	Seq. ID	OJ991020_16.0218.C12
Gene No.	19896	Strand	+
Start	85	End	191
Name	OJ991020_16.0218.C12.o1.gs	Method	GENSCAN
Start	85	End	191
GI	none	Score	.43
Exons	85..191		

Seq. No.	9297	Seq. ID	OJ991020_16.0218.C12
Gene No.	19897	Strand	-
Start	1	End	223
Name	OJ991020_16.0218.C12.o1.np	Method	AAT/NAP
Start	1	End	223
GI	2506347	Score	244
Exons	1..223		

GI Descrip. PUTATIVE ALDEHYDE DEHYDROGENASE gi|1742130|dbj|BAA14869| (D90768) Aldehyde dehydrogenase homolog [Escherichia coli] gi|1787558 (AE000228) aldehyde dehydrogenase, prefers NADP over NAD [Escherichia coli]

Seq. No.	9297	Seq. ID	OJ991020_16.0218.C12
Gene No.	19897	Strand	-
Start	1	End	223
Name	OJ991020_16.0218.C12.o1.tc	Method	TBLASTX:Cress
Start	1	End	222
GI	none	Score	103
Exons	1..222, 44..217		

Seq. No.	9297	Seq. ID	OJ991020_16.0218.C12
Gene No.	19897	Strand	-
Start	1	End	223
Name	OJ991020_16.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	222
GI	none	Score	127
Exons	1..222, 44..217		

Seq. No.	9297	Seq. ID	OJ991020_16.0218.C12
Gene No.	19897	Strand	-
Start	1	End	223
Name	OJ991020_16.0218.C12.o1.ts	Method	TBLASTX:Soybean
Start	1	End	222
GI	none	Score	125
Exons	1..222, 23..220		

Seq. No.	9298	Seq. ID	OJ991020_16.0218.C13
Gene No.	19898	Strand	+
Start	41	End	372
Name	OJ991020_16.0218.C13.o1.gs	Method	GENSCAN
Start	41	End	372
GI	none	Score	.99
Exons	41..372		

Seq. No.	9299	Seq. ID	OJ991020_16.0218.C14
Gene No.	19899	Strand	+
Start	422	End	612
Name	OJ991020_16.0218.C14.o1.gs	Method	GENSCAN
Start	422	End	612
GI	none	Score	.47
Exons	422..612		

Seq. No.	9300	Seq. ID	OJ991020_16.0218.C15
Gene No.	19900	Strand	-
Start	136	End	525
Name	OJ991020_16.0218.C15.o1.gs	Method	GENSCAN
Start	136	End	525
GI	none	Score	.44
Exons	136..525		

Seq. No.	9301	Seq. ID	OJ991220_09.0218.C2
Gene No.	19901	Strand	+
Start	21	End	172
Name	OJ991220_09.0218.C2.o1.gs	Method	GENSCAN

Start	21	End	172
GI	none	Score	.4
Exons	21..81, 108..172		

Seq. No.	9302	Seq. ID	OJ991220_09.0218.C3
Gene No.	19902	Strand	+
Start	655	End	5500
Name	OJ991220_09.0218.C3.o1.gs	Method	GENSCAN
Start	655	End	5500
GI	none	Score	.49
Exons	655..747, 895..898, 1172..1245, 2812..2831, 2930..2989, 4076..4482, 4883..5500		

Seq. No.	9303	Seq. ID	OJ991220_09.0218.C4
Gene No.	19903	Strand	+
Start	110	End	655
Name	OJ991220_09.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	104	End	347
GI	none	Score	167
Exons	104..328, 107..253, 108..347, 108..341		

Seq. No.	9303	Seq. ID	OJ991220_09.0218.C4
Gene No.	19903	Strand	+
Start	110	End	655
Name	OJ991220_09.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	107	End	401
GI	none	Score	402
Exons	107..250, 108..401, 114..386, 172..399		

Seq. No.	9303	Seq. ID	OJ991220_09.0218.C4
Gene No.	19903	Strand	+
Start	110	End	655
Name	OJ991220_09.0218.C4.o1.gs	Method	GENSCAN
Start	110	End	389
GI	none	Score	.95
Exons	110..389		

Seq. No.	9303	Seq. ID	OJ991220_09.0218.C4
Gene No.	19903	Strand	+
Start	110	End	655
Name	OJ991220_09.0218.C4.o1.np	Method	AAT/NAP
Start	110	End	655
GI	4587987	Score	382
Exons	110..389, 624..655		
GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana] gi|6598931|gb|AAF18726.1|AC018721_1 (AC018721) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	9303	Seq. ID	OJ991220_09.0218.C4
Gene No.	19903	Strand	+
Start	110	End	655
Name	OJ991220_09.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	116	End	401
GI	none	Score	393
Exons	116..250, 117..401, 117..395, 175..399		

Seq. No.	9303	Seq. ID	OJ991220_09.0218.C4

Gene No.	19903	Strand	+
Start	110	End	655
Name	OJ991220_09.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	225	End	401
GI	none	Score	246
Exons	225..401, 225..383		

Seq. No.	9304	Seq. ID	OJ991220_09.0218.C6
Gene No.	19904	Strand	+
Start	1	End	95
Name	OJ991220_09.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	95
GI	1314711	Score	122
Exons	1..95		
GI Descrip.	(U54615) calcium-dependent protein kinase [Arabidopsis thaliana] gi|3068712|gb|AAC14412.1| (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	9304	Seq. ID	OJ991220_09.0218.C6
Gene No.	19905	Strand	+
Start	394	End	1718
Name	OJ991220_09.0218.C6.o1.gs	Method	GENSCAN
Start	394	End	1718
GI	none	Score	.94
Exons	394..485, 554..789, 997..1111, 1140..1718		

Seq. No.	9304	Seq. ID	OJ991220_09.0218.C6
Gene No.	19906	Strand	-
Start	1	End	389
Name	OJ991220_09.0218.C6.o1.gp	Method	AAT/GAP
Start	1	End	389
GI	21335_1.R1084	Score	753
Exons	1..389		
GI Descrip.	'1314712 4.0e-69 (U54615) calcium-dependent protein kinase [Arabidopsis thaliana]'		

Seq. No.	9304	Seq. ID	OJ991220_09.0218.C6
Gene No.	19907	Strand	-
Start	10438	End	11383
Name	OJ991220_09.0218.C6.o3.gs	Method	GENSCAN
Start	10438	End	11383
GI	none	Score	.84
Exons	10438..10575, 10601..10756, 11195..11383		

Seq. No.	9305	Seq. ID	OJ991220_09.0218.C7
Gene No.	19908	Strand	+
Start	1	End	1239
Name	OJ991220_09.0218.C7.o1.gp	Method	AAT/GAP
Start	1	End	203
GI	LIB3477-011-P1-K1-B12	Score	386
Exons	1..203		
GI Descrip.	'6016680/gb|AAF01507.1|AC009991_3 1.0e-22 (AC009991) putative leucoanthocyanidin dioxygenase [Arabidopsis thaliana]'		

Seq. No.	9305	Seq. ID	OJ991220_09.0218.C7
Gene No.	19908	Strand	+
Start	1	End	1239

Name	OJ991220_09.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	1239
GI	6016680	Score	296
Exons	1..340, 1218..1239		
GI Descrip.	(AC009991) putative leucoanthocyanidin dioxygenase [Arabidopsis thaliana]		

Seq. No.	9305	Seq. ID	OJ991220_09.0218.C7
Gene No.	19908	Strand	+
Start	1	End	1239
Name	OJ991220_09.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	10	End	330
GI	none	Score	326
Exons	10..330, 91..159, 93..290		

Seq. No.	9305	Seq. ID	OJ991220_09.0218.C7
Gene No.	19908	Strand	+
Start	1	End	1239
Name	OJ991220_09.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	64	End	330
GI	none	Score	294
Exons	64..330, 93..290		

Seq. No.	9305	Seq. ID	OJ991220_09.0218.C7
Gene No.	19908	Strand	+
Start	1	End	1239
Name	OJ991220_09.0218.C7.o1.gs	Method	GENSCAN
Start	106	End	360
GI	none	Score	.6
Exons	106..360		

Seq. No.	9305	Seq. ID	OJ991220_09.0218.C7
Gene No.	19908	Strand	+
Start	1	End	1239
Name	OJ991220_09.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	115	End	330
GI	none	Score	50
Exons	115..147, 117..146, 148..186, 192..239, 193..330, 201..296		

Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19909	Strand	+
Start	1	End	1178
Name	OJ991220_09.0218.C10.o1.gp	Method	AAT/GAP
Start	1	End	796
GI	3768330	Score	600
Exons	1..275, 714..796		
GI Descrip.	4895261/gb|AAD32845.1|AC007658_4 1.0e-60 (AC007658) putative serine/threonine protein kinase, 5' partial [Arabidopsis thaliana]		

Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19909	Strand	+
Start	1	End	1178
Name	OJ991220_09.0218.C10.o1.np	Method	AAT/NAP
Start	1	End	1178
GI	4587987	Score	600
Exons	1..275, 714..857, 1000..1178		

GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana] gi|6598931|gb|AAF18726.1|AC018721_1 (AC018721) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19910	Strand	+
Start	1948	End	2465
Name	OJ991220_09.0218.C10.o2.gp	Method	AAT/GAP
Start	1948	End	2465
GI	uC-osflcyp151b02b1	Score	1024
Exons	1948..2465		
GI Descrip.	'517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron'		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	14	End	1109
GI	none	Score	446
Exons	14..277, 15..278, 21..278, 687..857, 693..866, 695..859, 781..867, 997..1041, 997..1026, 1025..1105, 1026..1109		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	14	End	278
GI	none	Score	432
Exons	14..277, 15..278, 24..278		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o2.tc	Method	TBLASTX:Cress
Start	15	End	278
GI	none	Score	395
Exons	15..278, 32..277		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o6.tm	Method	TBLASTX:Maize
Start	711	End	867
GI	none	Score	211
Exons	711..857, 714..866, 716..859, 784..867		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o5.tm	Method	TBLASTX:Maize
Start	997	End	1468
GI	none	Score	62
Exons	997..1047, 999..1043, 1031..1183, 1050..1175, 1175..1213, 1379..1411, 1433..1468		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-

Start	3785	End	7242
Name	OJ991220_09.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	2405	End	3038
GI	none	Score	67
Exons	2405..2458, 2419..2490, 2425..2463, 2439..2477, 2475..2639, 2479..2640, 2586..2711, 2638..2709, 2711..2785, 2712..2786, 2736..2786, 2751..2798, 2862..3038		

Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o5.ts	Method	TBLASTX:Soybean
Start	2479	End	3452
GI	none	Score	63
Exons	2479..2694, 2515..2577, 2641..2700, 2727..2780, 3099..3452, 3102..3299, 3102..3356, 3102..3425, 3102..3452, 3195..3449		

Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	2868	End	3917
GI	none	Score	71
Exons	2868..3014, 3564..3917, 3575..3775		

Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	3369	End	3779
GI	none	Score	398
Exons	3369..3779, 3383..3751, 3438..3752		

Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o3.gp	Method	AAT/GAP
Start	3785	End	4177
GI	none	Score	778
Exons	3785..4177		

Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o3.np	Method	AAT/NAP
Start	3806	End	5439
GI	6572952	Score	94
Exons	3806..3919, 4829..4946, 5163..5241, 5319..5439		
GI Descrip.	(AF189773) NLI-interacting factor isoform T1; NLI/Ldb1/CLIM interacting factor [Gallus gallus]		

Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	4284	End	5585
GI	none	Score	59

Exons	4284..4340, 4284..4349, 4348..4401, 4349..4396, 4474..4509, 4477..4503, 4481..4510, 4562..4714, 4566..4712, 4567..4713, 4571..4714, 4790..4945, 4800..4949, 4806..4952, 4953..4967, 5159..5242, 5160..5243, 5160..5243, 5164..5244, 5311..5433, 5330..5446, 5330..5440, 5331..5447, 5331..5465, 5526..5585, 5528..5560		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o2.gs	Method	GENSCAN
Start	4546	End	7242
GI	none	Score	.66
Exons	4546..4666, 5160..5241, 5319..5439, 5528..5656, 6561..6758, 6863..7069, 7214..7242		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o4.gp	Method	AAT/GAP
Start	4571	End	7005
GI	22778_1.R1084	Score	1875
Exons	4571..4711, 4793..4946, 5160..5241, 5319..5439, 5528..5656, 6561..7005		
GI Descrip.	'2131751/pir||S64841 2.0e-16 hypothetical protein YLR019w - yeast (Saccharomyces cerevisiae) >gi_1360322_emb_CAA97541_ (Z73191) ORF YLR019w [Saccharomyces cerevisiae]'		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o3.ts	Method	TBLASTX:Soybean
Start	4576	End	4894
GI	none	Score	113
Exons	4576..4698, 4598..4714, 4599..4712, 4784..4894, 4797..4889, 4820..4894		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o3.tc	Method	TBLASTX:Cress
Start	4598	End	4892
GI	none	Score	113
Exons	4598..4714, 4599..4715, 4602..4718, 4603..4719, 4784..4885, 4785..4886, 4812..4892		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-
Start	3785	End	7242
Name	OJ991220_09.0218.C10.o4.ts	Method	TBLASTX:Soybean
Start	4895	End	5445
GI	none	Score	62
Exons	4895..4945, 4896..4949, 5159..5242, 5160..5243, 5194..5256, 5317..5421, 5318..5413, 5320..5445		
Seq. No.	9306	Seq. ID	OJ991220_09.0218.C10
Gene No.	19911	Strand	-

Start	3785	End	7242
Name	OJ991220_09.0218.C10.o4.tm	Method	TBLASTX:Maize
Start	6556	End	6878
GI	none	Score	126
Exons	6556..6639, 6558..6728, 6558..6776, 6559..6780, 6848..6877, 6849..6878		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19912	Strand	+
Start	968	End	1337
Name	OJ991220_09.0218.C11.o1.gs	Method	GENSCAN
Start	968	End	1337
GI	none	Score	.49
Exons	968..970, 1305..1337		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19913	Strand	+
Start	4837	End	7973
Name	OJ991220_09.0218.C11.o1.np	Method	AAT/NAP
Start	4837	End	7970
GI	6907089	Score	4130
Exons	4837..6099, 6200..7970		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19913	Strand	+
Start	4837	End	7973
Name	OJ991220_09.0218.C11.o3.gs	Method	GENSCAN
Start	4837	End	7973
GI	none	Score	.9
Exons	4837..4966, 5033..6072, 6234..7973		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19914	Strand	-
Start	2628	End	4556
Name	OJ991220_09.0218.C11.o2.gs	Method	GENSCAN
Start	2628	End	4556
GI	none	Score	.92
Exons	2628..2642, 2757..2815, 3047..3218, 3613..3655, 4468..4556		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o3.tw	Method	TBLASTX:Wheat
Start	4477	End	12782
GI	none	Score	84
Exons	4477..4575, 12296..12781, 12323..12562, 12327..12587, 12609..12782		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o4.gs	Method	GENSCAN
Start	8604	End	12076
GI	none	Score	.73
Exons	8604..10157, 10224..10346, 10551..11391, 11448..12076		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o5.tm	Method	TBLASTX:Maize
Start	8604	End	8747
GI	none	Score	126
Exons	8604..8747, 8608..8742		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o2.np	Method	AAT/NAP
Start	8607	End	14052
GI	6498441	Score	7157
Exons	8607..8888, 8982..10379, 10551..11274, 11448..11582, 11766..12139, 12203..12666, 12988..14052		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o7.tw	Method	TBLASTX:Wheat
Start	8616	End	9195
GI	none	Score	77
Exons	8616..8741, 8620..8742, 8802..9170, 8908..9078, 8934..9194, 8935..9192, 9154..9195		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o4.tw	Method	TBLASTX:Wheat
Start	9199	End	9600
GI	none	Score	238
Exons	9199..9600, 9219..9599		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o2.tm	Method	TBLASTX:Maize
Start	9414	End	9737
GI	none	Score	210
Exons	9414..9737, 9427..9693		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o8.tw	Method	TBLASTX:Wheat
Start	9930	End	10242
GI	none	Score	72
Exons	9930..10190, 10066..10242		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o5.tw	Method	TBLASTX:Wheat

Start	10245	End	10706
GI	none	Score	86
Exons	10245..10394, 10246..10383, 10428..10679, 10429..10614, 10455..10706		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	11112	End	11482
GI	none	Score	83
Exons	11112..11342, 11339..11482, 11340..11465		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o2.tw	Method	TBLASTX:Wheat
Start	11142	End	11561
GI	none	Score	98
Exons	11142..11348, 11167..11322, 11330..11560, 11331..11561		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o3.tm	Method	TBLASTX:Maize
Start	11235	End	11618
GI	none	Score	201
Exons	11235..11345, 11333..11617, 11334..11618		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	11645	End	12001
GI	none	Score	66
Exons	11645..11761, 11645..12001, 11655..11966		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o1.tw	Method	TBLASTX:Wheat
Start	11669	End	12132
GI	none	Score	214
Exons	11669..12130, 11674..12132, 11675..12130, 11676..12131		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o2.ts	Method	TBLASTX:Soybean
Start	11726	End	12091
GI	none	Score	114
Exons	11726..11860, 11867..12091		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o5.gs	Method	GENSCAN

Start	12140	End	14218
GI	none	Score	.99
Exons	12140..14218		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o6.tw	Method	TBLASTX:Wheat
Start	13511	End	13849
GI	none	Score	99
Exons	13511..13768, 13545..13784, 13751..13849, 13752..13832		

Seq. No.	9307	Seq. ID	OJ991220_09.0218.C11
Gene No.	19915	Strand	-
Start	8604	End	14218
Name	OJ991220_09.0218.C11.o4.tm	Method	TBLASTX:Maize
Start	13613	End	13861
GI	none	Score	188
Exons	13613..13861		

Seq. No.	9308	Seq. ID	OJ991220_09.0218.C12
Gene No.	19916	Strand	-
Start	816	End	1548
Name	OJ991220_09.0218.C12.o1.gs	Method	GENSCAN
Start	816	End	1548
GI	none	Score	.57
Exons	816..886, 1365..1548		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19917	Strand	+
Start	81	End	4520
Name	OJ991220_09.0218.C13.o1.gp	Method	AAT/GAP
Start	81	End	488
GI	none	Score	507
Exons	81..325, 458..488		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19917	Strand	+
Start	81	End	4520
Name	OJ991220_09.0218.C13.o1.gs	Method	GENSCAN
Start	174	End	4520
GI	none	Score	.7
Exons	174..325, 458..803, 2623..2664, 3235..3545, 3770..3862, 3880..3981, 4097..4520		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19917	Strand	+
Start	81	End	4520
Name	OJ991220_09.0218.C13.o1.np	Method	AAT/NAP
Start	174	End	851
GI	4510387	Score	447
Exons	174..325, 458..851		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19917	Strand	+
Start	81	End	4520

Name	OJ991220_09.0218.C13.o2.gp	Method	AAT/GAP
Start	490	End	2973
GI	67576_1.R1084	Score	1257
Exons	490..803, 2623..2973		
GI Descrip.	'4510386/gb|AAD21474.1| 2.0e-10 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19917	Strand	+
Start	81	End	4520
Name	OJ991220_09.0218.C13.o2.np	Method	AAT/NAP
Start	3052	End	4503
GI	5731754	Score	278
Exons	3052..3163, 4093..4405, 4433..4503		
GI Descrip.	(AL109819) putative protein [Arabidopsis thaliana]		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19918	Strand	-
Start	5318	End	5557
Name	OJ991220_09.0218.C13.o3.gp	Method	AAT/GAP
Start	5318	End	5557
GI	none	Score	472
Exons	5318..5557		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o1.tc	Method	TBLASTX:Cress
Start	165	End	2691
GI	none	Score	68
Exons	165..263, 252..326, 456..596, 485..583, 633..770, 662..757, 768..806, 768..842, 2602..2691		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o1.tw	Method	TBLASTX:Wheat
Start	182	End	596
GI	none	Score	110
Exons	182..262, 183..263, 252..326, 252..326, 269..328, 455..589, 456..596		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o1.ts	Method	TBLASTX:Soybean
Start	188	End	2688
GI	none	Score	83
Exons	188..262, 189..263, 252..326, 270..326, 455..589, 456..593, 582..803, 623..766, 2629..2688, 2634..2684		

Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o1.tm	Method	TBLASTX:Maize
Start	192	End	705
GI	none	Score	93

Exons	192..263, 194..262, 252..326, 258..326, 269..328, 455..703, 456..704, 456..704, 553..705		
Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o3.ts	Method	TBLASTX:Soybean
Start	4094	End	4505
GI	none	Score	193
Exons	4094..4261, 4119..4262, 4274..4336, 4311..4340, 4452..4505		
Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o3.np	Method	AAT/NAP
Start	5571	End	5915
GI	6648211	Score	348
Exons	5571..5711, 5798..5915		
GI Descrip.	(AC013483) putative serine carboxypeptidase II [Arabidopsis thaliana]		
Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o2.tc	Method	TBLASTX:Cress
Start	5574	End	5906
GI	none	Score	119
Exons	5574..5714, 5575..5715, 5795..5905, 5850..5906		
Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o2.tm	Method	TBLASTX:Maize
Start	5575	End	5906
GI	none	Score	125
Exons	5575..5745, 5577..5711, 5807..5905, 5808..5906		
Seq. No.	9309	Seq. ID	OJ991220_09.0218.C13
Gene No.	19919	Strand	-
Start	5571	End	5915
Name	OJ991220_09.0218.C13.o2.ts	Method	TBLASTX:Soybean
Start	5577	End	5909
GI	none	Score	113
Exons	5577..5714, 5578..5712, 5775..5906, 5795..5908, 5796..5909		
Seq. No.	9310	Seq. ID	OJ991220_09.0218.C14
Gene No.	19920	Strand	-
Start	1	End	753
Name	OJ991220_09.0218.C14.o1.gp	Method	AAT/GAP
Start	1	End	677
GI	21335_1.R1084	Score	390
Exons	1..67, 352..523, 636..677		
GI Descrip.	'1314712 4.0e-69 (U54615) calcium-dependent protein kinase [Arabidopsis thaliana]'		
Seq. No.	9310	Seq. ID	OJ991220_09.0218.C14
Gene No.	19920	Strand	-

Start	1	End	753
Name	OJ991220_09.0218.C14.o1.np	Method	AAT/NAP
Start	1	End	753
GI	1314711	Score	298
Exons	1..35, 356..523, 636..753		
GI Descrip.	(U54615) calcium-dependent protein kinase [Arabidopsis thaliana] gi|3068712|gb|AAC14412.1| (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	9310	Seq. ID	OJ991220_09.0218.C14
Gene No.	19920	Strand	-
Start	1	End	753
Name	OJ991220_09.0218.C14.o1.tc	Method	TBLASTX:Cress
Start	347	End	749
GI	none	Score	102
Exons	347..523, 348..524, 425..520, 633..749, 651..749		

Seq. No.	9310	Seq. ID	OJ991220_09.0218.C14
Gene No.	19920	Strand	-
Start	1	End	753
Name	OJ991220_09.0218.C14.o1.tm	Method	TBLASTX:Maize
Start	353	End	753
GI	none	Score	198
Exons	353..523, 353..523, 354..524, 354..524, 355..534, 423..503, 425..502, 602..751, 606..668, 633..749, 633..752, 688..753		

Seq. No.	9310	Seq. ID	OJ991220_09.0218.C14
Gene No.	19920	Strand	-
Start	1	End	753
Name	OJ991220_09.0218.C14.o1.ts	Method	TBLASTX:Soybean
Start	353	End	753
GI	none	Score	162
Exons	353..523, 354..524, 620..751, 621..749, 633..752, 688..753		

Seq. No.	9310	Seq. ID	OJ991220_09.0218.C14
Gene No.	19920	Strand	-
Start	1	End	753
Name	OJ991220_09.0218.C14.o1.gs	Method	GENSCAN
Start	356	End	523
GI	none	Score	.98
Exons	356..523		

Seq. No.	9311	Seq. ID	OJ991220_09.0218.C15
Gene No.	19921	Strand	-
Start	1	End	2398
Name	OJ991220_09.0218.C15.o1.np	Method	AAT/NAP
Start	1	End	2274
GI	1314711	Score	765
Exons	1..48, 1568..2117, 2187..2274		
GI Descrip.	(U54615) calcium-dependent protein kinase [Arabidopsis thaliana] gi|3068712|gb|AAC14412.1| (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	9311	Seq. ID	OJ991220_09.0218.C15
Gene No.	19921	Strand	-
Start	1	End	2398
Name	OJ991220_09.0218.C15.o1.gs	Method	GENSCAN

Start	672	End	2274
GI	none	Score	.94
Exons	672..688, 1581..2274		

Seq. No.	9311	Seq. ID	OJ991220_09.0218.C15
Gene No.	19921	Strand	-
Start	1	End	2398
Name	OJ991220_09.0218.C15.o1.tm	Method	TBLASTX:Maize
Start	1546	End	2046
GI	none	Score	334
Exons	1546..2046, 1580..2008, 1678..2031		

Seq. No.	9311	Seq. ID	OJ991220_09.0218.C15
Gene No.	19921	Strand	-
Start	1	End	2398
Name	OJ991220_09.0218.C15.o1.ts	Method	TBLASTX:Soybean
Start	1576	End	2058
GI	none	Score	329
Exons	1576..2049, 1580..1999, 1675..2058		

Seq. No.	9311	Seq. ID	OJ991220_09.0218.C15
Gene No.	19921	Strand	-
Start	1	End	2398
Name	OJ991220_09.0218.C15.o1.tw	Method	TBLASTX:Wheat
Start	1576	End	1794
GI	none	Score	220
Exons	1576..1794, 1580..1780, 1675..1782		

Seq. No.	9311	Seq. ID	OJ991220_09.0218.C15
Gene No.	19921	Strand	-
Start	1	End	2398
Name	OJ991220_09.0218.C15.o1.tc	Method	TBLASTX:Cress
Start	1579	End	2052
GI	none	Score	286
Exons	1579..2052, 1580..1999		

Seq. No.	9311	Seq. ID	OJ991220_09.0218.C15
Gene No.	19921	Strand	-
Start	1	End	2398
Name	OJ991220_09.0218.C15.o1.gp	Method	AAT/GAP
Start	1857	End	2398
GI	44362_1.R1084	Score	1059
Exons	1857..2398		
GI Descrip.	'1314711 1.0e-28 (U54615) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_3068712 (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]'		

Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19922	Strand	+
Start	4750	End	9002
Name	OJ991220_09.0218.C16.o1.np	Method	AAT/NAP
Start	4750	End	7970
GI	5541697	Score	444
Exons	4750..4893, 5055..5122, 6430..6793, 7909..7970		
GI Descrip.	(AL096860) putative protein [Arabidopsis thaliana]		

Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16

Gene No.	19922	Strand	+
Start	4750	End	9002
Name	OJ991220_09.0218.C16.o2.gs	Method	GENSCAN
Start	4750	End	9002
GI	none	Score	.84
Exons	4750..4944, 5052..5122, 6430..6745, 7729..7833, 8576..8769, 8894..9002		

Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19922	Strand	+
Start	4750	End	9002
Name	OJ991220_09.0218.C16.o1.gp	Method	AAT/GAP
Start	6635	End	8131
GI	49602_1.R1084	Score	990
Exons	6635..6745, 7729..8131		
GI Descrip.	'517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron'		

Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19923	Strand	+
Start	13948	End	14776
Name	OJ991220_09.0218.C16.o2.gp	Method	AAT/GAP
Start	13796	End	14077
GI	2442801	Score	489
Exons	13796..14077		

Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19923	Strand	+
Start	13948	End	14776
Name	OJ991220_09.0218.C16.o4.gs	Method	GENSCAN
Start	13948	End	14776
GI	none	Score	.73
Exons	13948..14079, 14696..14776		

Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	4717	End	7899
GI	none	Score	81
Exons	4717..4821, 4735..4764, 4758..4820, 5051..5116, 5052..5123, 5052..5123, 6403..6543, 6417..6524, 6427..6747, 6428..6748, 7718..7831, 7722..7832, 7728..7838, 7729..7833, 7873..7899		

Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o2.ts	Method	TBLASTX:Soybean
Start	6545	End	7860
GI	none	Score	62
Exons	6545..6631, 6577..6621, 6608..6748, 6613..6747, 7729..7860		

Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o3.gs	Method	GENSCAN
Start	10231	End	12011
GI	none	Score	.96

Exons	10231..10469, 10542..10838, 11519..12011		
Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o2.np	Method	AAT/NAP
Start	10240	End	11966
GI	4587999	Score	643
Exons	10240..10424, 10542..10809, 11379..11966		
GI Descrip.	(AF085279) hypothetical APG protein [Arabidopsis thaliana]		
Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o3.tm	Method	TBLASTX:Maize
Start	10240	End	10701
GI	none	Score	92
Exons	10240..10425, 10241..10465, 10540..10701		
Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o3.ts	Method	TBLASTX:Soybean
Start	10261	End	10695
GI	none	Score	103
Exons	10261..10425, 10540..10695		
Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o2.tc	Method	TBLASTX:Cress
Start	10273	End	10839
GI	none	Score	39
Exons	10273..10347, 10279..10329, 10376..10432, 10378..10425, 10540..10701, 10729..10839, 10733..10804		
Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o1.ts	Method	TBLASTX:Soybean
Start	10721	End	11892
GI	none	Score	71
Exons	10721..10816, 10726..10824, 11535..11672, 11542..11673, 11691..11888, 11695..11892		
Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o2.tm	Method	TBLASTX:Maize
Start	11514	End	11889
GI	none	Score	70
Exons	11514..11681, 11587..11682, 11608..11889, 11685..11888		
Seq. No.	9312	Seq. ID	OJ991220_09.0218.C16
Gene No.	19924	Strand	-
Start	10231	End	12011
Name	OJ991220_09.0218.C16.o1.tc	Method	TBLASTX:Cress

Start	11550	End	11889
GI	none	Score	58
Exons	11550..11672, 11599..11664, 11691..11888, 11692..11889		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19925	Strand	+
Start	82	End	498
Name	OJ991220_09.0218.C17.o1.gp	Method	AAT/GAP
Start	82	End	498
GI	3760700	Score	595
Exons	82..151, 229..498		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19926	Strand	+
Start	2701	End	4372
Name	OJ991220_09.0218.C17.o1.gs	Method	GENSCAN
Start	2701	End	4372
GI	none	Score	.85
Exons	2701..3351, 3445..3730, 3816..4372		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19926	Strand	+
Start	2701	End	4372
Name	OJ991220_09.0218.C17.o1.np	Method	AAT/NAP
Start	2716	End	4369
GI	6598436	Score	1631
Exons	2716..3036, 3070..3351, 3445..3730, 3816..4369		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19927	Strand	+
Start	6843	End	9214
Name	OJ991220_09.0218.C17.o3.gs	Method	GENSCAN
Start	6843	End	9214
GI	none	Score	.84
Exons	6843..6947, 7949..8128, 8250..8530, 8544..8811, 9071..9214		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19927	Strand	+
Start	6843	End	9214
Name	OJ991220_09.0218.C17.o2.np	Method	AAT/NAP
Start	7113	End	8120
GI	6539588	Score	248
Exons	7113..7139, 7855..8120		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19928	Strand	-
Start	5885	End	6715
Name	OJ991220_09.0218.C17.o2.gs	Method	GENSCAN
Start	5885	End	6715
GI	none	Score	.89
Exons	5885..6715		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314

Name	OJ991220_09.0218.C17.o3.tm	Method	TBLASTX:Maize
Start	72	End	416
GI	none	Score	130
Exons	72..152, 72..149, 74..154, 74..154, 214..411, 228..281, 228..416, 229..411, 230..412		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o2.tc	Method	TBLASTX:Cress
Start	214	End	439
GI	none	Score	189
Exons	214..417, 230..439		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o1.ts	Method	TBLASTX:Soybean
Start	2719	End	3744
GI	none	Score	822
Exons	2719..3363, 2739..3074, 3156..3353, 3444..3695, 3445..3486, 3559..3696, 3688..3744		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o1.tm	Method	TBLASTX:Maize
Start	2746	End	3183
GI	none	Score	444
Exons	2746..3183, 2764..3015		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o1.tw	Method	TBLASTX:Wheat
Start	3297	End	3663
GI	none	Score	105
Exons	3297..3353, 3298..3363, 3438..3506, 3444..3662, 3559..3663		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o4.tm	Method	TBLASTX:Maize
Start	3460	End	3747
GI	none	Score	51
Exons	3460..3510, 3462..3503, 3465..3731, 3559..3747, 3610..3747		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o1.tc	Method	TBLASTX:Cress
Start	3471	End	3737
GI	none	Score	169
Exons	3471..3737, 3559..3732		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-

Start	9989	End	11314
Name	OJ991220_09.0218.C17.o2.tm	Method	TBLASTX:Maize
Start	3790	End	4155
GI	none	Score	443
Exons	3790..4155, 3812..4153		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o2.ts	Method	TBLASTX:Soybean
Start	3811	End	4053
GI	none	Score	298
Exons	3811..4053, 3812..4051		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o3.ts	Method	TBLASTX:Soybean
Start	4055	End	4420
GI	none	Score	244
Exons	4055..4267, 4343..4420		

Seq. No.	9313	Seq. ID	OJ991220_09.0218.C17
Gene No.	19929	Strand	-
Start	9989	End	11314
Name	OJ991220_09.0218.C17.o4.gs	Method	GENSCAN
Start	9989	End	11314
GI	none	Score	.63
Exons	9989..10120, 10973..11314		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19930	Strand	+
Start	1	End	1530
Name	OJ991220_09.0218.C19.o1.np	Method	AAT/NAP
Start	1	End	1527
GI	6598436	Score	907
Exons	1..162, 507..792, 974..1527		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19930	Strand	+
Start	1	End	1530
Name	OJ991220_09.0218.C19.o1.gs	Method	GENSCAN
Start	507	End	1530
GI	none	Score	1
Exons	507..792, 974..1530		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19931	Strand	+
Start	2008	End	2363
Name	OJ991220_09.0218.C19.o1.gp	Method	AAT/GAP
Start	2008	End	2363
GI	LIB3431-055-P1-N1-B2	Score	672
Exons	2008..2363		
GI Descrip.	'3068705 6.0e-16 (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19

Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o1.ts	Method	TBLASTX:Soybean
Start	506	End	818
GI	none	Score	68
Exons	506..757, 507..548, 621..758, 750..818		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o1.tw	Method	TBLASTX:Wheat
Start	506	End	725
GI	none	Score	90
Exons	506..568, 506..724, 621..725		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o3.tm	Method	TBLASTX:Maize
Start	522	End	794
GI	none	Score	49
Exons	522..698, 524..565, 527..793, 621..794		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o1.tc	Method	TBLASTX:Cress
Start	533	End	809
GI	none	Score	246
Exons	533..808, 621..809		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o1.tm	Method	TBLASTX:Maize
Start	969	End	1313
GI	none	Score	103
Exons	969..1079, 969..1163, 970..1260, 1227..1313		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o3.ts	Method	TBLASTX:Soybean
Start	969	End	1209
GI	none	Score	213
Exons	969..1166, 970..1209		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o2.tw	Method	TBLASTX:Wheat
Start	2143	End	2373
GI	none	Score	53
Exons	2143..2208, 2148..2204, 2174..2209, 2209..2304, 2210..2308, 2211..2306, 2306..2371, 2308..2373, 2311..2373		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19

Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o2.tm	Method	TBLASTX:Maize
Start	2164	End	2373
GI	none	Score	258
Exons	2164..2373, 2174..2371		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o2.ts	Method	TBLASTX:Soybean
Start	2171	End	2373
GI	none	Score	134
Exons	2171..2371, 2173..2373, 2174..2371		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o2.gs	Method	GENSCAN
Start	2173	End	2370
GI	none	Score	.77
Exons	2173..2370		

Seq. No.	9314	Seq. ID	OJ991220_09.0218.C19
Gene No.	19932	Strand	-
Start	2173	End	2373
Name	OJ991220_09.0218.C19.o2.np	Method	AAT/NAP
Start	2176	End	2370
GI	3068705	Score	182
Exons	2176..2370		
GI Descrip.	(AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19933	Strand	+
Start	680	End	2932
Name	OJ991220_09.0218.C20.o1.gs	Method	GENSCAN
Start	680	End	2907
GI	none	Score	.88
Exons	680..708, 1655..1988, 2340..2424, 2621..2907		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19933	Strand	+
Start	680	End	2932
Name	OJ991220_09.0218.C20.o1.np	Method	AAT/NAP
Start	1652	End	2926
GI	6016680	Score	546
Exons	1652..1988, 2678..2926		
GI Descrip.	(AC009991) putative leucoanthocyanidin dioxygenase [Arabidopsis thaliana]		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19933	Strand	+
Start	680	End	2932
Name	OJ991220_09.0218.C20.o1.gp	Method	AAT/GAP
Start	2689	End	2932
GI	2796401	Score	296
Exons	2689..2932		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19934	Strand	+
Start	4541	End	4638
Name	OJ991220_09.0218.C20.o1.ts	Method	TBLASTX:Soybean
Start	1647	End	1991
GI	none	Score	328
Exons	1647..1916, 1652..1870, 1914..1991, 1926..1988		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19934	Strand	+
Start	4541	End	4638
Name	OJ991220_09.0218.C20.o1.tw	Method	TBLASTX:Wheat
Start	1788	End	1988
GI	none	Score	165
Exons	1788..1934, 1799..1870, 1818..1955, 1935..1988, 1935..1988		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19934	Strand	+
Start	4541	End	4638
Name	OJ991220_09.0218.C20.o1.tm	Method	TBLASTX:Maize
Start	1845	End	2958
GI	none	Score	97
Exons	1845..1916, 1926..1991, 1929..1991, 2665..2775, 2666..2938, 2677..2946, 2834..2881, 2842..2958		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19934	Strand	+
Start	4541	End	4638
Name	OJ991220_09.0218.C20.o1.tc	Method	TBLASTX:Cress
Start	1914	End	2914
GI	none	Score	83
Exons	1914..1991, 2666..2833, 2677..2772, 2834..2914, 2839..2907		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19934	Strand	+
Start	4541	End	4638
Name	OJ991220_09.0218.C20.o2.ts	Method	TBLASTX:Soybean
Start	2666	End	2926
GI	none	Score	210
Exons	2666..2833, 2683..2772, 2834..2926, 2839..2922		

Seq. No.	9315	Seq. ID	OJ991220_09.0218.C20
Gene No.	19934	Strand	+
Start	4541	End	4638
Name	OJ991220_09.0218.C20.o2.gs	Method	GENSCAN
Start	4541	End	4638
GI	none	Score	.79
Exons	4541..4638		

Seq. No.	9316	Seq. ID	OJ991220_09.0218.C21
Gene No.	19935	Strand	-
Start	599	End	664
Name	OJ991220_09.0218.C21.o1.gs	Method	GENSCAN
Start	599	End	664
GI	none	Score	.46
Exons	599..664		

Seq. No.	9317	Seq. ID	OJ991220_09.0218.C23
Gene No.	19936	Strand	-
Start	169	End	614
Name	OJ991220_09.0218.C23.o1.gs	Method	GENSCAN
Start	169	End	614
GI	none	Score	.85
Exons	169..313, 351..518, 523..614		

Seq. No.	9317	Seq. ID	OJ991220_09.0218.C23
Gene No.	19936	Strand	-
Start	169	End	614
Name	OJ991220_09.0218.C23.o1.np	Method	AAT/NAP
Start	173	End	423
GI	5174581	Score	40
Exons	173..423		
GI Descrip.	matrix metalloproteinase 11 (stromelysin 3) gi|456257|emb|CAA40918| (X57766) stromelysin-3 precursor [Homo sapiens]		

Seq. No.	9318	Seq. ID	OJ991220_09.0218.C25
Gene No.	19937	Strand	+
Start	389	End	2024
Name	OJ991220_09.0218.C25.o1.np	Method	AAT/NAP
Start	389	End	2024
GI	6721547	Score	104
Exons	389..482, 1981..2024		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	9318	Seq. ID	OJ991220_09.0218.C25
Gene No.	19938	Strand	-
Start	1493	End	2024
Name	OJ991220_09.0218.C25.o1.gp	Method	AAT/GAP
Start	1493	End	2024
GI	231_1.R1084	Score	672
Exons	1493..1841, 2004..2024		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 0.0e+00 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9318	Seq. ID	OJ991220_09.0218.C25
Gene No.	19938	Strand	-
Start	1493	End	2024
Name	OJ991220_09.0218.C25.o2.np	Method	AAT/NAP
Start	1749	End	2024
GI	2506139	Score	122
Exons	1749..1841, 1980..2024		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	9319	Seq. ID	OJ991220_09.0218.C26
Gene No.	19939	Strand	+
Start	1	End	228
Name	OJ991220_09.0218.C26.o1.np	Method	AAT/NAP
Start	1	End	228

GI	5042454	Score	67
Exons	1..24, 172..228		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9319	Seq. ID	OJ991220_09.0218.C26
Gene No.	19940	Strand	+
Start	175	End	1139
Name	OJ991220_09.0218.C26.o1.gs	Method	GENSCAN
Start	175	End	960
GI	none	Score	.9
Exons	175..346, 383..820, 844..960		

Seq. No.	9319	Seq. ID	OJ991220_09.0218.C26
Gene No.	19940	Strand	+
Start	175	End	1139
Name	OJ991220_09.0218.C26.o2.np	Method	AAT/NAP
Start	454	End	1139
GI	6721562	Score	894
Exons	454..1139		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	9320	Seq. ID	OJ991220_09.0218.C29
Gene No.	19941	Strand	-
Start	458	End	727
Name	OJ991220_09.0218.C29.o1.gs	Method	GENSCAN
Start	458	End	727
GI	none	Score	.42
Exons	458..727		

Seq. No.	9321	Seq. ID	OJ991220_09.0218.C30
Gene No.	19942	Strand	-
Start	1	End	292
Name	OJ991220_09.0218.C30.o1.gp	Method	AAT/GAP
Start	1	End	291
GI	231_1.R1084	Score	262
Exons	1..127, 227..291		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 0.0e+00 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9321	Seq. ID	OJ991220_09.0218.C30
Gene No.	19942	Strand	-
Start	1	End	292
Name	OJ991220_09.0218.C30.o1.np	Method	AAT/NAP
Start	1	End	289
GI	2506139	Score	207
Exons	1..127, 227..289		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	9321	Seq. ID	OJ991220_09.0218.C30

Gene No.	19942	Strand	-
Start	1	End	292
Name	OJ991220_09.0218.C30.o1.tm	Method	TBLASTX:Maize
Start	10	End	291
GI	none	Score	132
Exons	10..129, 29..133, 227..286, 229..291		

Seq. No.	9321	Seq. ID	OJ991220_09.0218.C30
Gene No.	19942	Strand	-
Start	1	End	292
Name	OJ991220_09.0218.C30.o1.ts	Method	TBLASTX:Soybean
Start	10	End	292
GI	none	Score	52
Exons	10..129, 13..90, 26..139, 29..136, 201..290, 227..292, 228..290, 229..291		

Seq. No.	9322	Seq. ID	OJ991220_09.0218.C31
Gene No.	19943	Strand	-
Start	1	End	5974
Name	OJ991220_09.0218.C31.o1.np	Method	AAT/NAP
Start	1	End	1392
GI	6648211	Score	900
Exons	1..352, 435..520, 616..708, 812..907, 1038..1392		
GI Descrip.	(AC013483) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	9322	Seq. ID	OJ991220_09.0218.C31
Gene No.	19943	Strand	-
Start	1	End	5974
Name	OJ991220_09.0218.C31.o1.gs	Method	GENSCAN
Start	92	End	4137
GI	none	Score	.6
Exons	92..352, 435..520, 616..708, 812..907, 1038..1432, 1903..2072, 3406..3515, 3699..3797, 3912..4137		

Seq. No.	9322	Seq. ID	OJ991220_09.0218.C31
Gene No.	19943	Strand	-
Start	1	End	5974
Name	OJ991220_09.0218.C31.o1.ts	Method	TBLASTX:Soybean
Start	92	End	1323
GI	none	Score	54
Exons	92..154, 93..146, 155..211, 215..352, 216..353, 285..353, 432..524, 433..522, 606..701, 608..709, 611..703, 615..710, 807..905, 814..906, 1018..1170, 1028..1171, 1177..1323, 1178..1315		

Seq. No.	9322	Seq. ID	OJ991220_09.0218.C31
Gene No.	19943	Strand	-
Start	1	End	5974
Name	OJ991220_09.0218.C31.o1.tm	Method	TBLASTX:Maize
Start	122	End	1317
GI	none	Score	139
Exons	122..352, 126..353, 432..524, 433..522, 608..718, 611..703, 812..904, 813..905, 814..906, 1018..1095, 1018..1275, 1031..1276, 1282..1317		

Seq. No.	9322	Seq. ID	OJ991220_09.0218.C31

Gene No.	19943	Strand	-
Start	1	End	5974
Name	OJ991220_09.0218.C31.o2.tc	Method	TBLASTX:Cress
Start	122	End	652
GI	none	Score	67
Exons	122..178, 218..352, 242..352, 456..524, 608..652		

Seq. No.	9322	Seq. ID	OJ991220_09.0218.C31
Gene No.	19943	Strand	-
Start	1	End	5974
Name	OJ991220_09.0218.C31.o1.tc	Method	TBLASTX:Cress
Start	653	End	1320
GI	none	Score	120
Exons	653..691, 807..905, 814..906, 1018..1170, 1031..1171, 1177..1320, 1178..1318		

Seq. No.	9322	Seq. ID	OJ991220_09.0218.C31
Gene No.	19943	Strand	-
Start	1	End	5974
Name	OJ991220_09.0218.C31.o2.np	Method	AAT/NAP
Start	3215	End	5974
GI	6539570	Score	187
Exons	3215..3269, 5525..5591, 5780..5974		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	9322	Seq. ID	OJ991220_09.0218.C31
Gene No.	19943	Strand	-
Start	1	End	5974
Name	OJ991220_09.0218.C31.o2.gs	Method	GENSCAN
Start	5747	End	5918
GI	none	Score	.55
Exons	5747..5918		

Seq. No.	9323	Seq. ID	OJ991220_05.0218.C3
Gene No.	19944	Strand	+
Start	59	End	708
Name	OJ991220_05.0218.C3.o1.gs	Method	GENSCAN
Start	59	End	708
GI	none	Score	.66
Exons	59..149, 223..412, 665..708		

Seq. No.	9324	Seq. ID	OJ991220_05.0218.C4
Gene No.	19945	Strand	+
Start	11	End	2982
Name	OJ991220_05.0218.C4.o1.np	Method	AAT/NAP
Start	11	End	2982
GI	4680203	Score	437
Exons	11..43, 1285..1953, 2935..2982		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9324	Seq. ID	OJ991220_05.0218.C4
Gene No.	19945	Strand	+
Start	11	End	2982
Name	OJ991220_05.0218.C4.o1.gp	Method	AAT/GAP
Start	371	End	819
GI	701489	Score	841
Exons	371..819		

Seq. No.	9324	Seq. ID	OJ991220_05.0218.C4
Gene No.	19945	Strand	+
Start	11	End	2982
Name	OJ991220_05.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	1651	End	1930
GI	none	Score	68
Exons	1651..1725, 1754..1930, 1763..1930		

Seq. No.	9325	Seq. ID	OJ991220_05.0218.C6
Gene No.	19946	Strand	-
Start	109	End	760
Name	OJ991220_05.0218.C6.o1.gs	Method	GENSCAN
Start	109	End	760
GI	none	Score	.92
Exons	109..760		

Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19947	Strand	+
Start	391	End	681
Name	OJ991220_05.0218.C7.o1.gs	Method	GENSCAN
Start	391	End	681
GI	none	Score	.56
Exons	391..494, 601..681		

Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19948	Strand	+
Start	8543	End	8900
Name	OJ991220_05.0218.C7.o4.gs	Method	GENSCAN
Start	8543	End	8900
GI	none	Score	.9
Exons	8543..8548, 8625..8900		

Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19949	Strand	-
Start	2493	End	7194
Name	OJ991220_05.0218.C7.o2.gs	Method	GENSCAN
Start	2493	End	3688
GI	none	Score	.89
Exons	2493..2672, 3587..3688		

Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19949	Strand	-
Start	2493	End	7194
Name	OJ991220_05.0218.C7.o1.np	Method	AAT/NAP
Start	2955	End	7194
GI	4680207	Score	1259
Exons	2955..2973, 4456..6144, 6343..7194		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19949	Strand	-
Start	2493	End	7194
Name	OJ991220_05.0218.C7.o3.gs	Method	GENSCAN
Start	4401	End	7192
GI	none	Score	.88

Exons	4401..5737, 5945..6225, 6343..6421, 6583..7192		
Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19950	Strand	-
Start	10995	End	11357
Name	OJ991220_05.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	5095	End	6173
GI	none	Score	74
Exons	5095..5241, 5142..5270, 5505..5678, 5529..5654, 5641..6009, 5670..5996, 5997..6146, 6127..6168, 6129..6173		
Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19950	Strand	-
Start	10995	End	11357
Name	OJ991220_05.0218.C7.o1.tw	Method	TBLASTX:Wheat
Start	5262	End	5715
GI	none	Score	50
Exons	5262..5456, 5281..5454, 5484..5711, 5488..5715		
Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19950	Strand	-
Start	10995	End	11357
Name	OJ991220_05.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	5493	End	6688
GI	none	Score	57
Exons	5493..5666, 5685..5837, 5686..5811, 5883..5984, 5899..5967, 6108..6251, 6360..6521, 6528..6581, 6629..6688		
Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19950	Strand	-
Start	10995	End	11357
Name	OJ991220_05.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	5496	End	6015
GI	none	Score	67
Exons	5496..5663, 5500..5658, 5679..5810, 5679..5831, 5680..5832, 5850..5882, 5851..5886, 5898..5978, 5899..6015		
Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19950	Strand	-
Start	10995	End	11357
Name	OJ991220_05.0218.C7.o2.tw	Method	TBLASTX:Wheat
Start	5716	End	5997
GI	none	Score	96
Exons	5716..5997, 5721..5996		
Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19950	Strand	-
Start	10995	End	11357
Name	OJ991220_05.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	6441	End	6715
GI	none	Score	119
Exons	6441..6581, 6448..6591, 6614..6715		
Seq. No.	9326	Seq. ID	OJ991220_05.0218.C7
Gene No.	19950	Strand	-
Start	10995	End	11357
Name	OJ991220_05.0218.C7.o5.gs	Method	GENSCAN

Start	10995	End	11357
GI	none	Score	.52
Exons	10995..11047, 11117..11241, 11326..11357		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8
Gene No.	19951	Strand	+
Start	1	End	4799
Name	OJ991220_05.0218.C8.o1.np	Method	AAT/NAP
Start	1	End	907
GI	4587240	Score	416
Exons	1..907		
GI Descrip.	(AB022164) A1.1-4 [Oryza sativa]		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8
Gene No.	19951	Strand	+
Start	1	End	4799
Name	OJ991220_05.0218.C8.o3.np	Method	AAT/NAP
Start	1	End	2799
GI	6520171	Score	103
Exons	1..24, 1863..2173, 2670..2799		
GI Descrip.	(AB028202) PRM1 homolog [Arabidopsis thaliana]		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8
Gene No.	19951	Strand	+
Start	1	End	4799
Name	OJ991220_05.0218.C8.o1.gs	Method	GENSCAN
Start	68	End	4799
GI	none	Score	.48
Exons	68..863, 1404..1582, 3623..3675, 4206..4418, 4724..4799		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8
Gene No.	19951	Strand	+
Start	1	End	4799
Name	OJ991220_05.0218.C8.o2.np	Method	AAT/NAP
Start	782	End	3306
GI	6721518	Score	190
Exons	782..1798, 3289..3306		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8
Gene No.	19952	Strand	-
Start	5815	End	8178
Name	OJ991220_05.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	218	End	742
GI	none	Score	43
Exons	218..268, 371..490, 508..741, 509..742		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8
Gene No.	19952	Strand	-
Start	5815	End	8178
Name	OJ991220_05.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	391	End	1429
GI	none	Score	71
Exons	391..495, 392..490, 509..667, 692..757, 1130..1252, 1274..1429		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8

Gene No.	19952	Strand	-
Start	5815	End	8178
Name	OJ991220_05.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	2304	End	2540
GI	none	Score	189
Exons	2304..2540, 2309..2401		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8
Gene No.	19952	Strand	-
Start	5815	End	8178
Name	OJ991220_05.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	2480	End	2738
GI	none	Score	216
Exons	2480..2623, 2481..2738		

Seq. No.	9327	Seq. ID	OJ991220_05.0218.C8
Gene No.	19952	Strand	-
Start	5815	End	8178
Name	OJ991220_05.0218.C8.o2.gs	Method	GENSCAN
Start	5815	End	8178
GI	none	Score	.63
Exons	5815..5966, 7413..8178		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19953	Strand	+
Start	4449	End	4550
Name	OJ991220_05.0218.C9.o1.gp	Method	AAT/GAP
Start	4449	End	4550
GI	uC-osrocyp037e07a1	Score	187
Exons	4449..4550		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19954	Strand	+
Start	7680	End	10747
Name	OJ991220_05.0218.C9.o2.gs	Method	GENSCAN
Start	7680	End	10627
GI	none	Score	.56
Exons	7680..7710, 8381..8562, 8848..10627		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19954	Strand	+
Start	7680	End	10747
Name	OJ991220_05.0218.C9.o2.np	Method	AAT/NAP
Start	8932	End	10747
GI	2852684	Score	512
Exons	8932..10361, 10404..10471, 10634..10747		
GI Descrip.	(AF017751) resistance protein candidate [Lactuca sativa]		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o1.np	Method	AAT/NAP
Start	122	End	4380
GI	5295971	Score	3379

Exons	122..4380		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o1.gs	Method	GENSCAN
Start	133	End	4413
GI	none	Score	.91
Exons	133..4413		
Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	154	End	820
GI	none	Score	122
Exons	154..405, 194..379, 252..386, 646..819, 647..820	403..519, 523..624, 548..583,	
Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o3.ts	Method	TBLASTX:Soybean
Start	157	End	795
GI	none	Score	64
Exons	157..627, 203..334, 437..583,	667..795	
Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o8.tm	Method	TBLASTX:Maize
Start	157	End	402
GI	none	Score	49
Exons	157..402, 158..235, 302..397		
Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o4.tw	Method	TBLASTX:Wheat
Start	184	End	618
GI	none	Score	46
Exons	184..363, 191..385, 400..618,	425..577	
Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o2.tm	Method	TBLASTX:Maize
Start	403	End	858
GI	none	Score	130
Exons	403..618, 425..580, 484..618, 664..858	626..853, 631..858, 647..823,	
Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-

Start	133	End	4413
Name	OJ991220_05.0218.C9.o6.tw	Method	TBLASTX:Wheat
Start	646	End	999
GI	none	Score	92
Exons	646..819, 832..999		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o7.tm	Method	TBLASTX:Maize
Start	931	End	1326
GI	none	Score	95
Exons	931..1326, 1196..1294		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	1174	End	1690
GI	5509260	Score	239
Exons	1174..1674, 1196..1690		
GI Descrip.	-		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o2.tw	Method	TBLASTX:Wheat
Start	1183	End	1644
GI	none	Score	151
Exons	1183..1533, 1189..1584, 1564..1644		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o2.tc	Method	TBLASTX:Cress
Start	1288	End	1552
GI	none	Score	117
Exons	1288..1551, 1297..1536, 1316..1552		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o3.tm	Method	TBLASTX:Maize
Start	1327	End	1648
GI	none	Score	230
Exons	1327..1647, 1328..1648		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o2.ts	Method	TBLASTX:Soybean
Start	1993	End	2469
GI	none	Score	85
Exons	1993..2433, 1993..2469, 2123..2464		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-

Start	133	End	4413
Name	OJ991220_05.0218.C9.o3.tc	Method	TBLASTX:Cress
Start	2011	End	2478
GI	none	Score	64
Exons	2011..2478, 2252..2395		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	2071	End	2500
GI	none	Score	57
Exons	2071..2142, 2076..2153, 2155..2496, 2171..2500		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o1.tw	Method	TBLASTX:Wheat
Start	2143	End	2703
GI	none	Score	134
Exons	2143..2232, 2242..2703, 2249..2677		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o4.ts	Method	TBLASTX:Soybean
Start	2509	End	2838
GI	none	Score	240
Exons	2509..2838, 2662..2742		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o3.tw	Method	TBLASTX:Wheat
Start	2776	End	3228
GI	none	Score	168
Exons	2776..2862, 2861..3214, 2863..3228		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o4.tm	Method	TBLASTX:Maize
Start	2842	End	3250
GI	none	Score	43
Exons	2842..3249, 2846..2881, 2948..3250		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413
Name	OJ991220_05.0218.C9.o9.tm	Method	TBLASTX:Maize
Start	3757	End	4068
GI	none	Score	223
Exons	3757..4068		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19955	Strand	-
Start	133	End	4413

Name	OJ991220_05.0218.C9.o5.tw	Method	TBLASTX:Wheat
Start	3763	End	4143
GI	none	Score	209
Exons	3763..4143		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19956	Strand	
Start	9383	End	9891
Name	OJ991220_05.0218.C9.o6.tm	Method	TBLASTX:Maize
Start	9383	End	9678
GI	none	Score	85
Exons	9383..9640, 9388..9678, 9516..9641		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19956	Strand	
Start	9383	End	9891
Name	OJ991220_05.0218.C9.o6.ts	Method	TBLASTX:Soybean
Start	9537	End	9891
GI	none	Score	41
Exons	9537..9575, 9537..9671, 9538..9603, 9598..9741, 9691..9891, 9732..9890		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19957	Strand	
Start	9825	End	10491
Name	OJ991220_05.0218.C9.o5.tm	Method	TBLASTX:Maize
Start	9825	End	10347
GI	none	Score	49
Exons	9825..9881, 9826..9882, 9975..10100, 9997..10095, 10114..10347, 10137..10346		

Seq. No.	9328	Seq. ID	OJ991220_05.0218.C9
Gene No.	19957	Strand	
Start	9825	End	10491
Name	OJ991220_05.0218.C9.o5.ts	Method	TBLASTX:Soybean
Start	9996	End	10491
GI	none	Score	69
Exons	9996..10100, 9997..10095, 10114..10272, 10116..10268, 10387..10491		

Seq. No.	9329	Seq. ID	OJ991220_05.0218.C10
Gene No.	19958	Strand	+
Start	1	End	6623
Name	OJ991220_05.0218.C10.o2.np	Method	AAT/NAP
Start	1	End	6623
GI	4680204	Score	130
Exons	1..20, 3056..3252, 3393..3520, 4723..4881, 6589..6623		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9329	Seq. ID	OJ991220_05.0218.C10
Gene No.	19958	Strand	+
Start	1	End	6623
Name	OJ991220_05.0218.C10.o1.gs	Method	GENSCAN
Start	1171	End	6611
GI	none	Score	.47
Exons	1171..2177, 3056..3515, 4334..4581, 4657..4881, 4960..5406, 5494..6380, 6459..6611		

Seq. No.	9329	Seq. ID	OJ991220_05.0218.C10
Gene No.	19958	Strand	+
Start	1	End	6623
Name	OJ991220_05.0218.C10.o1.np	Method	AAT/NAP
Start	1171	End	2229
GI	4680203	Score	653
Exons	1171..2229		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9329	Seq. ID	OJ991220_05.0218.C10
Gene No.	19958	Strand	+
Start	1	End	6623
Name	OJ991220_05.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	1530	End	2216
GI	none	Score	177
Exons	1530..1868, 1619..1678, 1763..1867, 1858..1974, 1869..1952, 1959..2072, 1965..2072, 1994..2089, 2091..2216		

Seq. No.	9329	Seq. ID	OJ991220_05.0218.C10
Gene No.	19958	Strand	+
Start	1	End	6623
Name	OJ991220_05.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	1602	End	1943
GI	none	Score	47
Exons	1602..1649, 1607..1657, 1655..1867, 1656..1868, 1869..1943		

Seq. No.	9329	Seq. ID	OJ991220_05.0218.C10
Gene No.	19958	Strand	+
Start	1	End	6623
Name	OJ991220_05.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	1965	End	2228
GI	none	Score	232
Exons	1965..2228, 1991..2119, 2159..2215		

Seq. No.	9329	Seq. ID	OJ991220_05.0218.C10
Gene No.	19958	Strand	+
Start	1	End	6623
Name	OJ991220_05.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	1968	End	2230
GI	none	Score	231
Exons	1968..2228, 1989..2213, 1991..2230		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19959	Strand	+
Start	176	End	5170
Name	OJ991220_05.0218.C11.o1.gs	Method	GENSCAN
Start	176	End	5170
GI	none	Score	.69
Exons	176..223, 1554..1644, 1863..1923, 2702..2982, 3307..3356, 3840..3929, 4279..4615, 4674..4796, 5160..5170		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o1.np	Method	AAT/NAP
Start	3009	End	8317

GI	2072393	Score	83
Exons	3009..3128, 4079..4182, 4267..4320, 8295..8317		
GI Descrip.	(U29168) similar to human Xeroderma pigmentosum group B DNA repair protein, Swiss-Prot Accession Number P19447 [Arabidopsis thaliana]		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o6.tm	Method	TBLASTX:Maize
Start	4114	End	4346
GI	none	Score	119
Exons	4114..4260, 4115..4216, 4115..4261, 4116..4262, 4132..4263, 4255..4320, 4266..4346, 4266..4331		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o2.np	Method	AAT/NAP
Start	6126	End	11136
GI	6069646	Score	876
Exons	6126..7099, 7388..8185, 11113..11136		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o7.tm	Method	TBLASTX:Maize
Start	6224	End	6694
GI	none	Score	151
Exons	6224..6346, 6395..6694		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o4.tm	Method	TBLASTX:Maize
Start	6833	End	7102
GI	none	Score	174
Exons	6833..6910, 6923..7102		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o1.tw	Method	TBLASTX:Wheat
Start	7082	End	7525
GI	none	Score	81
Exons	7082..7156, 7160..7207, 7229..7525, 7236..7523		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	7163	End	7850

GI	none	Score	134
Exons	7163..7609, 7245..7616, 7667..7849, 7695..7850		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o2.tw	Method	TBLASTX:Wheat
Start	7847	End	8182
GI	none	Score	142
Exons	7847..7924, 7940..8182		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o2.tm	Method	TBLASTX:Maize
Start	7850	End	8201
GI	none	Score	60
Exons	7850..8200, 8106..8201		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o3.tm	Method	TBLASTX:Maize
Start	8436	End	8784
GI	none	Score	137
Exons	8436..8783, 8446..8784		

Seq. No.	9330	Seq. ID	OJ991220_05.0218.C11
Gene No.	19960	Strand	-
Start	3009	End	11136
Name	OJ991220_05.0218.C11.o5.tm	Method	TBLASTX:Maize
Start	8982	End	9269
GI	none	Score	173
Exons	8982..9101, 9105..9269		

Seq. No.	9331	Seq. ID	OJ991220_05.0218.C12
Gene No.	19961	Strand	+
Start	482	End	4115
Name	OJ991220_05.0218.C12.o1.gs	Method	GENSCAN
Start	482	End	3446
GI	none	Score	.76
Exons	482..623, 2007..2322, 2400..2490, 2529..2774, 3240..3446		

Seq. No.	9331	Seq. ID	OJ991220_05.0218.C12
Gene No.	19961	Strand	+
Start	482	End	4115
Name	OJ991220_05.0218.C12.o1.np	Method	AAT/NAP
Start	830	End	4115
GI	6815056	Score	298
Exons	830..890, 2014..2716, 4078..4115		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9331	Seq. ID	OJ991220_05.0218.C12
Gene No.	19962	Strand	+
Start	4569	End	7015
Name	OJ991220_05.0218.C12.o2.np	Method	AAT/NAP
Start	4551	End	7015

GI	4689223	Score	700
Exons	4551..6001, 6032..7015		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	9331	Seq. ID	OJ991220_05.0218.C12
Gene No.	19962	Strand	+
Start	4569	End	7015
Name	OJ991220_05.0218.C12.o2.gs	Method	GENSCAN
Start	4569	End	6812
GI	none	Score	.48
Exons	4569..6812		

Seq. No.	9331	Seq. ID	OJ991220_05.0218.C12
Gene No.	19962	Strand	+
Start	4569	End	7015
Name	OJ991220_05.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	4937	End	5360
GI	none	Score	56
Exons	4937..4999, 5031..5162, 5070..5300, 5073..5294, 5301..5360		

Seq. No.	9331	Seq. ID	OJ991220_05.0218.C12
Gene No.	19962	Strand	+
Start	4569	End	7015
Name	OJ991220_05.0218.C12.o2.ts	Method	TBLASTX:Soybean
Start	5175	End	5513
GI	none	Score	61
Exons	5175..5237, 5244..5357, 5352..5513, 5369..5512		

Seq. No.	9331	Seq. ID	OJ991220_05.0218.C12
Gene No.	19962	Strand	+
Start	4569	End	7015
Name	OJ991220_05.0218.C12.o2.tm	Method	TBLASTX:Maize
Start	5466	End	5915
GI	none	Score	47
Exons	5466..5525, 5613..5732, 5757..5915		

Seq. No.	9331	Seq. ID	OJ991220_05.0218.C12
Gene No.	19962	Strand	+
Start	4569	End	7015
Name	OJ991220_05.0218.C12.o1.ts	Method	TBLASTX:Soybean
Start	5634	End	6527
GI	none	Score	70
Exons	5634..5732, 5742..5999, 5771..5983, 5808..5990, 6405..6527		

Seq. No.	9332	Seq. ID	OJ991220_05.0218.C13
Gene No.	19963	Strand	+
Start	107	End	385
Name	OJ991220_05.0218.C13.o1.gs	Method	GENSCAN
Start	107	End	385
GI	none	Score	.51
Exons	107..385		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19964	Strand	+
Start	5027	End	11147
Name	OJ991220_05.0218.C14.o2.gs	Method	GENSCAN

Start	5027	End	11147
GI	none	Score	.45
Exons	5027..5744, 5927..6612, 6679..7970, 8067..8241, 8443..9510, 9646..9890, 9989..11147		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19964	Strand	+
Start	5027	End	11147
Name	OJ991220_05.0218.C14.o2.np	Method	AAT/NAP
Start	5027	End	11111
GI	5922631	Score	6753
Exons	5027..5151, 5410..5678, 5945..6114, 6160..6731, 6774..6925, 7052..7978, 8585..11111		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19965	Strand	-
Start	500	End	1696
Name	OJ991220_05.0218.C14.o1.gs	Method	GENSCAN
Start	500	End	1696
GI	none	Score	.48
Exons	500..1292, 1508..1696		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o7.tw	Method	TBLASTX:Wheat
Start	6336	End	6738
GI	none	Score	283
Exons	6336..6605, 6337..6738		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o2.tw	Method	TBLASTX:Wheat
Start	7318	End	8115
GI	none	Score	143
Exons	7318..7494, 7539..7775, 7543..7773, 7822..8115, 7974..8111		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o3.ts	Method	TBLASTX:Soybean
Start	8035	End	8400
GI	none	Score	125
Exons	8035..8256, 8266..8400		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o8.tw	Method	TBLASTX:Wheat

Start	8116	End	8350
GI	none	Score	266
Exons	8116..8349, 8136..8348, 8186..8350		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o3.tm	Method	TBLASTX:Maize
Start	8125	End	8481
GI	none	Score	357
Exons	8125..8481, 8166..8471		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o1.tw	Method	TBLASTX:Wheat
Start	8350	End	8769
GI	none	Score	500
Exons	8350..8769, 8352..8768		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o2.tm	Method	TBLASTX:Maize
Start	8509	End	8892
GI	none	Score	378
Exons	8509..8892, 8518..8844, 8613..8891		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o1.ts	Method	TBLASTX:Soybean
Start	8614	End	9045
GI	none	Score	306
Exons	8614..9045, 8661..8804, 8677..8958, 8841..9011		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o5.tw	Method	TBLASTX:Wheat
Start	8814	End	9243
GI	none	Score	411
Exons	8814..9242, 8815..9243		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o2.ts	Method	TBLASTX:Soybean
Start	9268	End	9659
GI	none	Score	88
Exons	9268..9375, 9279..9365, 9420..9491, 9421..9657, 9540..9659		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o6.tw	Method	TBLASTX:Wheat
Start	9280	End	9702

GI	none	Score	402
Exons	9280..9702, 9285..9626		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o1.tm	Method	TBLASTX:Maize
Start	10011	End	10376
GI	none	Score	451
Exons	10011..10319, 10014..10337, 10034..10336, 10329..10376		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o4.tw	Method	TBLASTX:Wheat
Start	10017	End	10408
GI	none	Score	429
Exons	10017..10406, 10017..10178, 10019..10330, 10215..10406, 10361..10408		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o5.tm	Method	TBLASTX:Maize
Start	10478	End	10751
GI	none	Score	101
Exons	10478..10576, 10479..10577, 10568..10630, 10572..10655, 10665..10751		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o3.tw	Method	TBLASTX:Wheat
Start	10521	End	11135
GI	none	Score	359
Exons	10521..10979, 10541..10630, 10671..10700, 10682..10810, 11010..11135		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o4.tm	Method	TBLASTX:Maize
Start	10833	End	11096
GI	none	Score	156
Exons	10833..11015, 10940..11014, 10994..11095, 10995..11096		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924
Name	OJ991220_05.0218.C14.o3.gs	Method	GENSCAN
Start	11477	End	11920
GI	none	Score	1
Exons	11477..11920		

Seq. No.	9333	Seq. ID	OJ991220_05.0218.C14
Gene No.	19966	Strand	-
Start	11477	End	11924

Name	OJ991220_05.0218.C14.o3.np	Method	AAT/NAP
Start	11480	End	11924
GI	5902446	Score	557
Exons	11480..11924		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	9334	Seq. ID	OJ991220_05.0218.C15
Gene No.	19967	Strand	-
Start	1	End	303
Name	OJ991220_05.0218.C15.o1.np	Method	AAT/NAP
Start	1	End	303
GI	5902448	Score	313
Exons	1..303		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	9335	Seq. ID	OJ991220_05.0218.C16
Gene No.	19968	Strand	+
Start	1795	End	2288
Name	OJ991220_05.0218.C16.o2.gp	Method	AAT/GAP
Start	1795	End	2288
GI	576771	Score	797
Exons	1795..2007, 2034..2288		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	9335	Seq. ID	OJ991220_05.0218.C16
Gene No.	19969	Strand	-
Start	213	End	623
Name	OJ991220_05.0218.C16.o1.gp	Method	AAT/GAP
Start	213	End	623
GI	5816562	Score	615
Exons	213..623		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	9336	Seq. ID	OJ991220_05.0218.C18
Gene No.	19970	Strand	+
Start	1	End	768
Name	OJ991220_05.0218.C18.o1.np	Method	AAT/NAP
Start	1	End	533
GI	5902447	Score	381
Exons	1..533		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	9336	Seq. ID	OJ991220_05.0218.C18
Gene No.	19970	Strand	+
Start	1	End	768
Name	OJ991220_05.0218.C18.o1.gs	Method	GENSCAN
Start	145	End	768
GI	none	Score	.68
Exons	145..503, 581..768		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19971	Strand	+
Start	1	End	2769
Name	OJ991220_05.0218.C19.o1.np	Method	AAT/NAP
Start	1	End	2769

GI	4680203	Score	1574
Exons	1..1146, 1304..1533, 1810..2769		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19971	Strand	+
Start	1	End	2769
Name	OJ991220_05.0218.C19.o1.gs	Method	GENSCAN
Start	647	End	2737
GI	none	Score	.75
Exons	647..853, 1101..1202, 1502..2315, 2349..2737		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o2.tc	Method	TBLASTX:Cress
Start	297	End	652
GI	none	Score	134
Exons	297..350, 312..500, 341..457, 490..609, 491..652		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o2.tw	Method	TBLASTX:Wheat
Start	441	End	895
GI	none	Score	61
Exons	441..497, 449..517, 470..598, 522..587, 599..715, 599..700, 746..895		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o2.tm	Method	TBLASTX:Maize
Start	497	End	937
GI	none	Score	210
Exons	497..742, 505..738, 746..937		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o1.ts	Method	TBLASTX:Soybean
Start	770	End	1009
GI	none	Score	190
Exons	770..1009		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o3.tw	Method	TBLASTX:Wheat
Start	1076	End	1396
GI	none	Score	174
Exons	1076..1168, 1077..1208, 1098..1181, 1285..1395, 1286..1396		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o3.tm	Method	TBLASTX:Maize

Start	1092	End	1289
GI	none	Score	187
Exons	1092..1256, 1104..1289		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o1.tm	Method	TBLASTX:Maize
Start	1393	End	1780
GI	none	Score	57
Exons	1393..1443, 1471..1770, 1472..1780, 1565..1780		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o1.tw	Method	TBLASTX:Wheat
Start	1472	End	2542
GI	none	Score	421
Exons	1472..1882, 1475..1603, 1477..1881, 1885..1950, 1886..2134, 2174..2320, 2176..2319, 2324..2374, 2338..2373, 2374..2424, 2381..2425, 2438..2542, 2443..2541		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o1.tc	Method	TBLASTX:Cress
Start	1711	End	2134
GI	none	Score	162
Exons	1711..1881, 1715..1882, 1885..1950, 1886..2134		

Seq. No.	9337	Seq. ID	OJ991220_05.0218.C19
Gene No.	19972	Strand	-
Start	3126	End	7651
Name	OJ991220_05.0218.C19.o2.gs	Method	GENSCAN
Start	3126	End	7651
GI	none	Score	.56
Exons	3126..3566, 3626..3656, 3830..3991, 5913..5993, 7536..7651		

Seq. No.	9338	Seq. ID	OJ991220_05.0218.C20
Gene No.	19973	Strand	+
Start	61	End	743
Name	OJ991220_05.0218.C20.o1.gs	Method	GENSCAN
Start	61	End	743
GI	none	Score	.71
Exons	61..743		

Seq. No.	9339	Seq. ID	OJ991220_05.0218.C21
Gene No.	19974	Strand	-
Start	1	End	406
Name	OJ991220_05.0218.C21.o1.np	Method	AAT/NAP
Start	1	End	406
GI	6016871	Score	181
Exons	1..406		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9339	Seq. ID	OJ991220_05.0218.C21

Gene No.	19974	Strand	-
Start	1	End	406
Name	OJ991220_05.0218.C21.o1.tm	Method	TBLASTX:Maize
Start	146	End	394
GI	none	Score	66
Exons	146..238, 147..239, 266..394, 267..392		

Seq. No.	9340	Seq. ID	OJ991220_05.0218.C22
Gene No.	19975	Strand	+
Start	1329	End	1420
Name	OJ991220_05.0218.C22.o3.gp	Method	AAT/GAP
Start	1329	End	1420
GI	LIB3477-003-P1-K1-E9	Score	143
Exons	1329..1420		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9340	Seq. ID	OJ991220_05.0218.C22
Gene No.	19976	Strand	+
Start	3212	End	3793
Name	OJ991220_05.0218.C22.o1.gs	Method	GENSCAN
Start	3212	End	3793
GI	none	Score	.95
Exons	3212..3793		

Seq. No.	9340	Seq. ID	OJ991220_05.0218.C22
Gene No.	19977	Strand	-
Start	4317	End	5420
Name	OJ991220_05.0218.C22.o2.gs	Method	GENSCAN
Start	4317	End	5420
GI	none	Score	.44
Exons	4317..4373, 5355..5420		

Seq. No.	9341	Seq. ID	OJ991220_05.0218.C23
Gene No.	19978	Strand	+
Start	14	End	600
Name	OJ991220_05.0218.C23.o1.gs	Method	GENSCAN
Start	14	End	600
GI	none	Score	.97
Exons	14..377, 593..600		

Seq. No.	9342	Seq. ID	OJ991220_05.0218.C24
Gene No.	19979	Strand	+
Start	195	End	551
Name	OJ991220_05.0218.C24.o1.gs	Method	GENSCAN
Start	195	End	551
GI	none	Score	.66
Exons	195..271, 422..551		

Seq. No.	9342	Seq. ID	OJ991220_05.0218.C24
Gene No.	19980	Strand	-
Start	1	End	668
Name	OJ991220_05.0218.C24.o1.np	Method	AAT/NAP
Start	1	End	668
GI	4982518	Score	210
Exons	1..25, 298..668		

GI Descrip. (AC000107) F17F8.24 [Arabidopsis thaliana]

Seq. No.	9343	Seq. ID	OJ991220_05.0218.C25
Gene No.	19981	Strand	-
Start	339	End	649
Name	OJ991220_05.0218.C25.o1.gs	Method	GENSCAN
Start	339	End	649
GI	none	Score	.93
Exons	339..649		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19982	Strand	+
Start	2022	End	3958
Name	OJ991220_05.0218.C26.o2.gs	Method	GENSCAN
Start	2022	End	3958
GI	none	Score	.69
Exons	2022..2034, 2578..2750, 2758..3045, 3557..3733, 3929..3958		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19983	Strand	-
Start	26	End	5563
Name	OJ991220_05.0218.C26.o1.gs	Method	GENSCAN
Start	26	End	1673
GI	none	Score	.89
Exons	26..1673		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19983	Strand	-
Start	26	End	5563
Name	OJ991220_05.0218.C26.o2.np	Method	AAT/NAP
Start	1314	End	4939
GI	2792214	Score	161
Exons	1314..1646, 3510..3577, 4804..4939		

GI Descrip. (AF032685) NBS-LRR type resistance protein [Hordeum vulgare]

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19983	Strand	-
Start	26	End	5563
Name	OJ991220_05.0218.C26.o3.gs	Method	GENSCAN
Start	4080	End	5518
GI	none	Score	.73
Exons	4080..4104, 4584..5518		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19983	Strand	-
Start	26	End	5563
Name	OJ991220_05.0218.C26.o1.gp	Method	AAT/GAP
Start	5111	End	5563
GI	2428011	Score	885
Exons	5111..5563		

GI Descrip. 4680207/gb|AAD27570.1|AF114171_11 2.0e-16 (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19983	Strand	-
Start	26	End	5563
Name	OJ991220_05.0218.C26.o3.np	Method	AAT/NAP

Start	5324	End	5554
GI	6721546	Score	96
Exons	5324..5554		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19984	Strand	-
Start	9110	End	9796
Name	OJ991220_05.0218.C26.o1.ts	Method	TBLASTX:Soybean
Start	408	End	1352
GI	none	Score	65
Exons	408..596, 714..782, 861..1016, 1023..1184, 1290..1352		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19984	Strand	-
Start	9110	End	9796
Name	OJ991220_05.0218.C26.o2.tm	Method	TBLASTX:Maize
Start	507	End	969
GI	none	Score	68
Exons	507..626, 508..615, 628..753, 633..869, 636..821, 819..968, 821..967, 825..968, 847..969		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19984	Strand	-
Start	9110	End	9796
Name	OJ991220_05.0218.C26.o1.tw	Method	TBLASTX:Wheat
Start	612	End	1079
GI	none	Score	103
Exons	612..821, 825..1079, 843..1058		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19984	Strand	-
Start	9110	End	9796
Name	OJ991220_05.0218.C26.o1.tm	Method	TBLASTX:Maize
Start	5063	End	5506
GI	none	Score	37
Exons	5063..5119, 5111..5398, 5124..5234, 5384..5506, 5403..5489		

Seq. No.	9344	Seq. ID	OJ991220_05.0218.C26
Gene No.	19984	Strand	-
Start	9110	End	9796
Name	OJ991220_05.0218.C26.o4.gs	Method	GENSCAN
Start	9110	End	9796
GI	none	Score	.85
Exons	9110..9231, 9622..9796		

Seq. No.	9345	Seq. ID	OJ991220_05.0218.C27
Gene No.	19985	Strand	+
Start	1	End	808
Name	OJ991220_05.0218.C27.o1.np	Method	AAT/NAP
Start	1	End	808
GI	4417306	Score	77
Exons	1..58, 403..808		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	9345	Seq. ID	OJ991220_05.0218.C27

Gene No.	19986	Strand	+
Start	989	End	1977
Name	OJ991220_05.0218.C27.o1.gs	Method	GENSCAN
Start	989	End	1977
GI	none	Score	.65
Exons	989..1220, 1715..1977		

Seq. No.	9346	Seq. ID	OJ991020_07.0202.C4
Gene No.	19987	Strand	+
Start	1	End	566
Name	OJ991020_07.0202.C4.o1.gp	Method	AAT/GAP
Start	1	End	329
GI	LIB3434-011-P1-K1-A1	Score	443
Exons	1..173, 241..329		
GI Descrip.	'4220529/emb|CAA23002| 2.0e-53 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	9346	Seq. ID	OJ991020_07.0202.C4
Gene No.	19987	Strand	+
Start	1	End	566
Name	OJ991020_07.0202.C4.o1.np	Method	AAT/NAP
Start	1	End	566
GI	4220529	Score	419
Exons	1..173, 241..312, 435..566		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	9346	Seq. ID	OJ991020_07.0202.C4
Gene No.	19987	Strand	+
Start	1	End	566
Name	OJ991020_07.0202.C4.o1.gs	Method	GENSCAN
Start	39	End	527
GI	none	Score	.67
Exons	39..173, 435..527		

Seq. No.	9346	Seq. ID	OJ991020_07.0202.C4
Gene No.	19987	Strand	+
Start	1	End	566
Name	OJ991020_07.0202.C4.o1.tm	Method	TBLASTX:Maize
Start	51	End	566
GI	none	Score	174
Exons	51..173, 68..175, 88..174, 95..175, 239..307, 240..353, 241..315, 429..566, 434..565, 507..566		

Seq. No.	9346	Seq. ID	OJ991020_07.0202.C4
Gene No.	19987	Strand	+
Start	1	End	566
Name	OJ991020_07.0202.C4.o1.ts	Method	TBLASTX:Soybean
Start	138	End	566
GI	none	Score	69
Exons	138..173, 140..175, 142..174, 239..313, 240..311, 241..366, 429..566, 439..552, 440..556		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-
Start	1	End	7580
Name	OJ991020_07.0202.C5.o1.np	Method	AAT/NAP
Start	1	End	7580

GI	4220529	Score	1992
Exons	1..102, 197..334, 619..724, 810..977, 1178..1368, 1453..1677, 2278..2398, 2952..3124, 3804..3908, 4027..4168, 4273..4360, 4431..4727, 4893..5011, 5535..5669, 5750..5800, 5922..6088, 7101..7371, 7407..7580		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-
Start	1	End	7580
Name	OJ991020_07.0202.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	3023
GI	none	Score	160
Exons	1..102, 2..106, 4..108, 192..335, 197..340, 197..334, 614..715, 616..720, 617..721, 618..761, 812..973, 813..980, 1166..1372, 1167..1373, 1167..1373, 1168..1377, 1178..1378, 1180..1377, 1451..1678, 1453..1686, 1454..1678, 2277..2399, 2278..2400, 2285..2404, 2945..3022, 2946..3023		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-
Start	1	End	7580
Name	OJ991020_07.0202.C5.o1.tc	Method	TBLASTX:Cress
Start	5	End	292
GI	none	Score	99
Exons	5..103, 7..102, 192..290, 195..269, 197..292, 200..292		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-
Start	1	End	7580
Name	OJ991020_07.0202.C5.o1.gs	Method	GENSCAN
Start	197	End	7556
GI	none	Score	.91
Exons	197..334, 619..724, 810..977, 1178..1368, 1453..1677, 2278..2398, 2952..3115, 3798..3908, 4063..4168, 4273..4360, 4431..4727, 4893..5011, 5750..5824, 5922..6088, 6939..7556		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-
Start	1	End	7580
Name	OJ991020_07.0202.C5.o1.ts	Method	TBLASTX:Soybean
Start	240	End	1245
GI	none	Score	121
Exons	240..335, 242..343, 242..334, 615..701, 616..702, 617..703, 691..723, 812..973, 819..980, 1168..1245		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-
Start	1	End	7580
Name	OJ991020_07.0202.C5.o2.ts	Method	TBLASTX:Soybean
Start	1477	End	3110
GI	none	Score	164
Exons	1477..1686, 1478..1678, 2278..2442, 2285..2398, 2945..3109, 2946..3110		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-

Start	1	End	7580
Name	OJ991020_07.0202.C5.o3.ts	Method	TBLASTX:Soybean
Start	3804	End	4361
GI	none	Score	82
Exons	3804..3905, 3805..3906, 4066..4167, 4067..4168, 4257..4340, 4269..4361		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-
Start	1	End	7580
Name	OJ991020_07.0202.C5.o2.tm	Method	TBLASTX:Maize
Start	4081	End	4570
GI	none	Score	122
Exons	4081..4167, 4082..4171, 4098..4196, 4098..4178, 4269..4361, 4275..4355, 4276..4362, 4277..4363, 4411..4569, 4424..4570		

Seq. No.	9347	Seq. ID	OJ991020_07.0202.C5
Gene No.	19988	Strand	-
Start	1	End	7580
Name	OJ991020_07.0202.C5.o3.tm	Method	TBLASTX:Maize
Start	7034	End	7212
GI	none	Score	101
Exons	7034..7162, 7037..7162, 7039..7212, 7044..7208		

Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19989	Strand	+
Start	1	End	6360
Name	OJ991020_07.0202.C6.o1.np	Method	AAT/NAP
Start	1	End	1863
GI	5852093	Score	85
Exons	1..133, 1817..1863		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19989	Strand	+
Start	1	End	6360
Name	OJ991020_07.0202.C6.o1.gs	Method	GENSCAN
Start	68	End	3992
GI	none	Score	.73
Exons	68..116, 677..718, 770..908, 2049..2307, 2564..2641, 2853..2928, 3748..3821, 3921..3992		

Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19989	Strand	+
Start	1	End	6360
Name	OJ991020_07.0202.C6.o2.np	Method	AAT/NAP
Start	2548	End	6360
GI	4456820	Score	59
Exons	2548..2641, 2853..2928, 3748..3807, 6231..6360		
GI Descrip.	(AL035548) dnaj related protein. [Schizosaccharomyces pombe]		

Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19989	Strand	+
Start	1	End	6360
Name	OJ991020_07.0202.C6.o1.gp	Method	AAT/GAP
Start	2869	End	3344
GI	none	Score	797

Exons	2869..3344		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19990	Strand	+
Start	8283	End	9931
Name	OJ991020_07.0202.C6.o3.gp	Method	AAT/GAP
Start	8283	End	8794
GI	396_2.R1084	Score	1020
Exons	8283..8794		
GI Descrip.	'3540201 1.0e-30 (AC004260) Putative nuclear protein [Arabidopsis thaliana]'		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19990	Strand	+
Start	8283	End	9931
Name	OJ991020_07.0202.C6.o4.np	Method	AAT/NAP
Start	8376	End	9931
GI	3540201	Score	1780
Exons	8376..9931		
GI Descrip.	(AC004260) Putative nuclear protein [Arabidopsis thaliana]		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19990	Strand	+
Start	8283	End	9931
Name	OJ991020_07.0202.C6.o4.gp	Method	AAT/GAP
Start	9409	End	9833
GI	67884_1.R1084	Score	766
Exons	9409..9833		
GI Descrip.	'3540201 1.0e-12 (AC004260) Putative nuclear protein [Arabidopsis thaliana]'		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19991	Strand	-
Start	4693	End	6621
Name	OJ991020_07.0202.C6.o4.tm	Method	TBLASTX:Maize
Start	2852	End	4267
GI	none	Score	61
Exons	2852..2899, 2853..2897, 2873..2929, 2874..2930, 3750..3821, 3750..3821, 3754..3822, 3754..3822, 3921..4001, 3926..3991, 3928..4005, 4126..4182, 4128..4199, 4232..4267		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19991	Strand	-
Start	4693	End	6621
Name	OJ991020_07.0202.C6.o2.gp	Method	AAT/GAP
Start	4693	End	6304
GI	5151_1.R1084	Score	1247
Exons	4693..5062, 5142..5213, 5484..5588, 6154..6304		
GI Descrip.	'4467116/emb|CAB37550| 5.0e-13 (AL035538) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19991	Strand	-
Start	4693	End	6621
Name	OJ991020_07.0202.C6.o3.np	Method	AAT/NAP
Start	4994	End	6414
GI	4467116	Score	132

Exons	4994..5062, 5142..5213, 5484..5598, 6203..6414		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19991	Strand	-
Start	4693	End	6621
Name	OJ991020_07.0202.C6.o2.gs	Method	GENSCAN
Start	5006	End	6621
GI	none	Score	.96
Exons	5006..5062, 5142..5213, 5484..5588, 6154..6389, 6474..6621		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19992	Strand	
Start	8376	End	9919
Name	OJ991020_07.0202.C6.o1.ts	Method	TBLASTX:Soybean
Start	8376	End	9097
GI	none	Score	122
Exons	8376..8477, 8390..8482, 8531..8644, 8544..8648, 8544..8645, 8634..8786, 8636..8785, 8673..8786, 8800..9069, 8832..9083, 8834..9097, 8834..9091		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19992	Strand	
Start	8376	End	9919
Name	OJ991020_07.0202.C6.o2.tc	Method	TBLASTX:Cress
Start	8397	End	8774
GI	none	Score	91
Exons	8397..8465, 8544..8648, 8649..8774, 8663..8773		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19992	Strand	
Start	8376	End	9919
Name	OJ991020_07.0202.C6.o2.tm	Method	TBLASTX:Maize
Start	8544	End	8841
GI	none	Score	413
Exons	8544..8840, 8544..8807, 8755..8841		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19992	Strand	
Start	8376	End	9919
Name	OJ991020_07.0202.C6.o3.tm	Method	TBLASTX:Maize
Start	8854	End	9047
GI	none	Score	134
Exons	8854..9045, 8864..9046, 8865..9047		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19992	Strand	
Start	8376	End	9919
Name	OJ991020_07.0202.C6.o1.tc	Method	TBLASTX:Cress
Start	8930	End	9713
GI	none	Score	209
Exons	8930..9343, 8939..9340, 9132..9344, 9642..9713, 9654..9710		
Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19992	Strand	
Start	8376	End	9919
Name	OJ991020_07.0202.C6.o1.tm	Method	TBLASTX:Maize

Start	9266	End	9919
GI	none	Score	118
Exons	9266..9343, 9267..9344, 9518..9571, 9519..9554, 9630..9917, 9633..9917, 9659..9919		

Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19992	Strand	
Start	8376	End	9919
Name	OJ991020_07.0202.C6.o2.ts	Method	TBLASTX:Soybean
Start	9451	End	9919
GI	none	Score	127
Exons	9451..9540, 9625..9708, 9633..9716, 9669..9917, 9728..9874, 9738..9917, 9740..9919		

Seq. No.	9348	Seq. ID	OJ991020_07.0202.C6
Gene No.	19992	Strand	
Start	8376	End	9919
Name	OJ991020_07.0202.C6.o3.tc	Method	TBLASTX:Cress
Start	9713	End	9917
GI	none	Score	230
Exons	9713..9856, 9714..9875, 9858..9917		

Seq. No.	9349	Seq. ID	OJ991020_07.0202.C7
Gene No.	19993	Strand	+
Start	1	End	200
Name	OJ991020_07.0202.C7.o1.np	Method	AAT/NAP
Start	1	End	200
GI	3540201	Score	173
Exons	1..200		
GI Descrip.	(AC004260) Putative nuclear protein [Arabidopsis thaliana]		

Seq. No.	9349	Seq. ID	OJ991020_07.0202.C7
Gene No.	19993	Strand	+
Start	1	End	200
Name	OJ991020_07.0202.C7.o1.gs	Method	GENSCAN
Start	48	End	197
GI	none	Score	.88
Exons	48..197		

Seq. No.	9349	Seq. ID	OJ991020_07.0202.C7
Gene No.	19994	Strand	-
Start	146	End	587
Name	OJ991020_07.0202.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	212
GI	none	Score	171
Exons	3..155, 3..164, 141..209, 153..212, 170..211		

Seq. No.	9349	Seq. ID	OJ991020_07.0202.C7
Gene No.	19994	Strand	-
Start	146	End	587
Name	OJ991020_07.0202.C7.o1.gp	Method	AAT/GAP
Start	146	End	587
GI	none	Score	850
Exons	146..587		

Seq. No.	9350	Seq. ID	OJ991020_07.0202.C8
Gene No.	19995	Strand	+

Start	486	End	896
Name	OJ991020_07.0202.C8.o1.gs	Method	GENSCAN
Start	486	End	896
GI	none	Score	.59
Exons	486..687, 715..896		

Seq. No.	9351	Seq. ID	OJ991020_07.0202.C9
Gene No.	19996	Strand	-
Start	3039	End	4719
Name	OJ991020_07.0202.C9.o1.gp	Method	AAT/GAP
Start	2862	End	3621
GI	22084_1.R1084	Score	1309
Exons	2862..3621		
GI Descrip.	'5051781/emb|CAB45074.1| 4.0e-58 (AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]'		

Seq. No.	9351	Seq. ID	OJ991020_07.0202.C9
Gene No.	19996	Strand	-
Start	3039	End	4719
Name	OJ991020_07.0202.C9.o1.ts	Method	TBLASTX:Soybean
Start	2991	End	4370
GI	none	Score	65
Exons	2991..3119, 3040..3102, 3102..3692, 3225..3653, 3277..3690, 3720..3800, 3918..3989, 3987..4118, 4146..4370		

Seq. No.	9351	Seq. ID	OJ991020_07.0202.C9
Gene No.	19996	Strand	-
Start	3039	End	4719
Name	OJ991020_07.0202.C9.o1.gs	Method	GENSCAN
Start	3039	End	4434
GI	none	Score	.98
Exons	3039..3800, 3924..4434		

Seq. No.	9351	Seq. ID	OJ991020_07.0202.C9
Gene No.	19996	Strand	-
Start	3039	End	4719
Name	OJ991020_07.0202.C9.o1.np	Method	AAT/NAP
Start	3042	End	4719
GI	5051781	Score	1292
Exons	3042..3800, 3924..4436, 4695..4719		
GI Descrip.	(AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]		

Seq. No.	9351	Seq. ID	OJ991020_07.0202.C9
Gene No.	19996	Strand	-
Start	3039	End	4719
Name	OJ991020_07.0202.C9.o1.tm	Method	TBLASTX:Maize
Start	3042	End	4358
GI	none	Score	128
Exons	3042..3140, 3144..3800, 3216..3677, 3280..3801, 3912..4070, 3918..3983, 3990..4133, 4149..4358, 4165..4356		

Seq. No.	9351	Seq. ID	OJ991020_07.0202.C9
Gene No.	19996	Strand	-
Start	3039	End	4719
Name	OJ991020_07.0202.C9.o1.tc	Method	TBLASTX:Cress
Start	3051	End	4370

GI	none	Score	230
Exons	3051..3137, 3144..3692, 3277..3684, 3715..3801, 3720..3800, 3918..4115, 3921..4070, 4140..4370		

Seq. No.	9352	Seq. ID	OJ991020_07.0202.C10
Gene No.	19997	Strand	+
Start	2967	End	3280
Name	OJ991020_07.0202.C10.o1.gs	Method	GENSCAN
Start	2967	End	3280
GI	none	Score	.81
Exons	2967..3098, 3158..3280		

Seq. No.	9352	Seq. ID	OJ991020_07.0202.C10
Gene No.	19998	Strand	-
Start	3313	End	4443
Name	OJ991020_07.0202.C10.o2.gs	Method	GENSCAN
Start	3313	End	4443
GI	none	Score	.93
Exons	3313..3461, 4309..4443		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	19999	Strand	+
Start	5542	End	6791
Name	OJ991020_07.0202.C12.o1.gp	Method	AAT/GAP
Start	4725	End	4979
GI	61605_3.R1084	Score	367
Exons	4725..4979		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	19999	Strand	+
Start	5542	End	6791
Name	OJ991020_07.0202.C12.o2.gs	Method	GENSCAN
Start	5542	End	6791
GI	none	Score	.78
Exons	5542..5620, 6430..6791		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20000	Strand	+
Start	14009	End	16749
Name	OJ991020_07.0202.C12.o5.gs	Method	GENSCAN
Start	14009	End	16749
GI	none	Score	.54
Exons	14009..14098, 14749..15174, 15560..15714, 15745..15915, 16000..16077, 16134..16375, 16634..16749		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20001	Strand	-
Start	1227	End	2894
Name	OJ991020_07.0202.C12.o1.gs	Method	GENSCAN
Start	1227	End	2894
GI	none	Score	.96
Exons	1227..2894		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-

Start	5347	End	14557
Name	OJ991020_07.0202.C12.o2.ts	Method	TBLASTX:Soybean
Start	1308	End	1919
GI	none	Score	97
Exons	1308..1760, 1401..1661, 1623..1919		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o2.tc	Method	TBLASTX:Cress
Start	1419	End	2270
GI	none	Score	75
Exons	1419..1583, 1446..1814, 1563..1922, 1575..1757, 1635..1877, 1755..1919, 1845..1919, 1905..2189, 1942..2076, 1944..2156, 1947..2156, 1959..2135, 1986..2156, 2139..2267, 2145..2270, 2163..2258		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o2.tm	Method	TBLASTX:Maize
Start	1482	End	2126
GI	none	Score	298
Exons	1482..1760, 1482..1763, 1484..1762, 1495..1764, 1587..1874, 1692..1919, 1935..2126, 1947..2075		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o1.ts	Method	TBLASTX:Soybean
Start	1953	End	2240
GI	none	Score	74
Exons	1953..2108, 1953..2108, 1954..2109, 2106..2228, 2107..2217, 2163..2240		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o1.tm	Method	TBLASTX:Maize
Start	2188	End	2684
GI	none	Score	364
Exons	2188..2502, 2190..2684, 2490..2657		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o2.np	Method	AAT/NAP
Start	5347	End	8910
GI	6063554	Score	394
Exons	5347..5521, 6169..6196, 6401..6635, 6695..6963, 8880..8910		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557

Name	OJ991020_07.0202.C12.o3.np	Method	AAT/NAP
Start	6533	End	14557
GI	6729030	Score	265
Exons	6533..6586, 9823..10020, 10081..10626, 14442..14557		
GI Descrip.	(AC009177) putative RING-H2 zinc finger protein ATL6 [Arabidopsis thaliana]		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o3.gs	Method	GENSCAN
Start	7722	End	8235
GI	none	Score	.92
Exons	7722..7801, 8154..8235		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o3.gp	Method	AAT/GAP
Start	8592	End	9303
GI	5056013	Score	1356
Exons	8592..9303		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 6.0e-60 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o4.gs	Method	GENSCAN
Start	9472	End	10764
GI	none	Score	.99
Exons	9472..10764		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o4.tm	Method	TBLASTX:Maize
Start	9856	End	10187
GI	none	Score	110
Exons	9856..9948, 9856..9996, 9985..10140, 9986..10147, 10128..10187		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o3.ts	Method	TBLASTX:Soybean
Start	10198	End	10344
GI	none	Score	92
Exons	10198..10344, 10214..10339		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o1.tc	Method	TBLASTX:Cress
Start	10201	End	10557
GI	none	Score	100
Exons	10201..10341, 10201..10374, 10214..10363, 10360..10437, 10519..10557		

Seq. No.	9353	Seq. ID	OJ991020_07.0202.C12
Gene No.	20002	Strand	-
Start	5347	End	14557
Name	OJ991020_07.0202.C12.o3.tm	Method	TBLASTX:Maize
Start	10201	End	10357
GI	none	Score	126
Exons	10201..10347, 10201..10356, 10214..10357		

Seq. No.	9354	Seq. ID	OJ991020_07.0202.C13
Gene No.	20003	Strand	+
Start	1	End	117
Name	OJ991020_07.0202.C13.o1.gp	Method	AAT/GAP
Start	1	End	117
GI	none	Score	171
Exons	1..117		

Seq. No.	9354	Seq. ID	OJ991020_07.0202.C13
Gene No.	20004	Strand	-
Start	138	End	595
Name	OJ991020_07.0202.C13.o2.gp	Method	AAT/GAP
Start	138	End	595
GI	none	Score	909
Exons	138..595		

Seq. No.	9354	Seq. ID	OJ991020_07.0202.C13
Gene No.	20005	Strand	-
Start	888	End	1079
Name	OJ991020_07.0202.C13.o3.gp	Method	AAT/GAP
Start	888	End	1079
GI	7223_1.R1084	Score	336
Exons	888..1079		
GI Descrip.	'5669654/gb|AAD46412.1|AF096262_1 6.0e-09 (AF096262) ER6 protein [Lycopersicon esculentum]'		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20006	Strand	+
Start	2590	End	16261
Name	OJ991020_07.0202.C14.o2.gs	Method	GENSCAN
Start	2590	End	6854
GI	none	Score	.51
Exons	2590..2592, 2961..3160, 3317..4226, 5797..6176, 6430..6683, 6697..6854		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20006	Strand	+
Start	2590	End	16261
Name	OJ991020_07.0202.C14.o2.np	Method	AAT/NAP
Start	5518	End	16261
GI	6721516	Score	604
Exons	5518..5664, 8507..8596, 10595..10653, 11406..11532, 12723..12963, 13378..13701, 16065..16261		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20006	Strand	+
Start	2590	End	16261

Name	OJ991020_07.0202.C14.o4.gs	Method	GENSCAN
Start	11493	End	14850
GI	none	Score	.7
Exons	11493..11603, 12212..12483, 13402..13675, 14045..14428, 14845..14850		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20007	Strand	+
Start	20625	End	20852
Name	OJ991020_07.0202.C14.o3.np	Method	AAT/NAP
Start	20625	End	20852
GI	5295978	Score	256
Exons	20625..20852		
GI Descrip.	(AB003322) MADS box-like protein [Oryza sativa]		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20008	Strand	-
Start	475	End	1921
Name	OJ991020_07.0202.C14.o1.gp	Method	AAT/GAP
Start	469	End	1279
GI	7223_1.R1084	Score	484
Exons	469..529, 759..792, 1099..1279		
GI Descrip.	'5669654/gb|AAD46412.1|AF096262_1 6.0e-09 (AF096262) ER6 protein [Lycopersicon esculentum]'		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20008	Strand	-
Start	475	End	1921
Name	OJ991020_07.0202.C14.o1.np	Method	AAT/NAP
Start	469	End	1186
GI	2104959	Score	142
Exons	469..529, 759..792, 1099..1186		
GI Descrip.	(U96925) immunophilin [Vicia faba]		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20008	Strand	-
Start	475	End	1921
Name	OJ991020_07.0202.C14.o1.gs	Method	GENSCAN
Start	475	End	1921
GI	none	Score	.78
Exons	475..529, 759..792, 1099..1269, 1885..1921		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20009	Strand	-
Start	4888	End	7889
Name	OJ991020_07.0202.C14.o2.gp	Method	AAT/GAP
Start	4888	End	7889
GI	427820	Score	747
Exons	4888..5193, 7809..7889		
GI Descrip.	5669654/gb|AAD46412.1|AF096262_1 6.0e-09 (AF096262) ER6 protein [Lycopersicon esculentum]		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20010	Strand	-
Start	7805	End	8447
Name	OJ991020_07.0202.C14.o3.gs	Method	GENSCAN
Start	7805	End	8447

GI	none	Score	.73
Exons	7805..7927, 8016..8119, 8258..8447		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20011	Strand	-
Start	16026	End	16505
Name	OJ991020_07.0202.C14.o5.gs	Method	GENSCAN
Start	16026	End	16505
GI	none	Score	.43
Exons	16026..16505		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o1.tm	Method	TBLASTX:Maize
Start	5036	End	8459
GI	none	Score	77
Exons	5036..5095, 5118..5204, 5128..5196, 7808..7927, 7809..7928, 7992..8114, 7993..8133, 8208..8456, 8256..8459		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o2.ts	Method	TBLASTX:Soybean
Start	5839	End	6177
GI	none	Score	149
Exons	5839..6003, 5925..6002, 6040..6129, 6048..6098, 6097..6177		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o3.tc	Method	TBLASTX:Cress
Start	5839	End	6105
GI	none	Score	156
Exons	5839..6003, 5925..5999, 6043..6105		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o5.tm	Method	TBLASTX:Maize
Start	5839	End	6177
GI	none	Score	147
Exons	5839..6003, 5925..6002, 6040..6105, 6048..6098, 6097..6177		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o1.tc	Method	TBLASTX:Cress
Start	7817	End	8465
GI	none	Score	59
Exons	7817..7906, 7818..7919, 7874..7927, 7990..8133, 7992..8114, 8256..8336, 8256..8345, 8352..8465, 8373..8438		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o1.ts	Method	TBLASTX:Soybean

Start	8016	End	8438
GI	none	Score	94
Exons	8016..8129, 8023..8133, 8253..8336, 8256..8339, 8349..8438		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o2.tm	Method	TBLASTX:Maize
Start	11779	End	19793
GI	none	Score	54
Exons	11779..11844, 11782..11826, 11880..11912, 11924..12121, 11927..12124, 12019..12126, 19571..19633, 19632..19721, 19725..19793		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o4.tm	Method	TBLASTX:Maize
Start	18258	End	18552
GI	none	Score	77
Exons	18258..18359, 18295..18351, 18396..18449, 18401..18550, 18406..18456, 18441..18551, 18442..18552		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o3.gp	Method	AAT/GAP
Start	20533	End	20811
GI	12_1.R1084	Score	526
Exons	20533..20811		
GI Descrip.	'5295978/dbj|BAA81880.1| 1.0e-104 (AB003322) MADS box-like protein [Oryza sativa]'		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o3.tm	Method	TBLASTX:Maize
Start	20648	End	20806
GI	none	Score	82
Exons	20648..20806, 20663..20716, 20676..20804		

Seq. No.	9355	Seq. ID	OJ991020_07.0202.C14
Gene No.	20012	Strand	-
Start	20533	End	20828
Name	OJ991020_07.0202.C14.o2.tc	Method	TBLASTX:Cress
Start	20654	End	20828
GI	none	Score	194
Exons	20654..20806, 20676..20828		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20013	Strand	+
Start	439	End	4867
Name	OJ991020_07.0202.C15.o1.gp	Method	AAT/GAP
Start	439	End	4867
GI	12_1.R1084	Score	1493
Exons	439..462, 1571..1652, 2328..2389, 2513..2612, 2689..2730, 3577..3618, 3709..3863, 4514..4867		

GI Descrip.	'5295978/dbj|BAA81880.1| 1.0e-104 (AB003322) MADS box-like protein [Oryza sativa]'		
Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20013	Strand	+
Start	439	End	4867
Name	OJ991020_07.0202.C15.o1.np	Method	AAT/NAP
Start	1568	End	4535
GI	5295978	Score	631
Exons	1568..1652, 2328..2389, 2513..2612, 2689..2730, 3577..3618, 3709..3863, 4514..4535		
GI Descrip.	(AB003322) MADS box-like protein [Oryza sativa]		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20013	Strand	+
Start	439	End	4867
Name	OJ991020_07.0202.C15.o1.gs	Method	GENSCAN
Start	1575	End	4746
GI	none	Score	.76
Exons	1575..1652, 2328..2389, 2513..2612, 2689..2730, 3577..3618, 3709..3863, 4728..4746		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20014	Strand	+
Start	7939	End	10557
Name	OJ991020_07.0202.C15.o3.gs	Method	GENSCAN
Start	7939	End	10395
GI	none	Score	.77
Exons	7939..8286, 9895..10395		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20014	Strand	+
Start	7939	End	10557
Name	OJ991020_07.0202.C15.o2.np	Method	AAT/NAP
Start	8026	End	10557
GI	5306252	Score	853
Exons	8026..8196, 9895..10435, 10539..10557		
GI Descrip.	(AC006438) putative cyclophilin-type peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20015	Strand	-
Start	6642	End	7223
Name	OJ991020_07.0202.C15.o3.tm	Method	TBLASTX:Maize
Start	1524	End	4748
GI	none	Score	141
Exons	1524..1670, 1571..1651, 2301..2396, 2321..2389, 2472..2612, 2510..2614, 2511..2612, 2515..2622, 2516..2626, 2518..2622, 2686..2745, 2687..2716, 2789..2896, 3574..3621, 3574..3621, 3708..3746, 3756..3818, 3765..3827, 3767..3835, 3819..3863, 3824..3874, 3825..3869, 4512..4538, 4515..4538, 4626..4682, 4639..4686, 4641..4685, 4682..4747, 4683..4748, 4685..4744		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20015	Strand	-
Start	6642	End	7223
Name	OJ991020_07.0202.C15.o2.gs	Method	GENSCAN

Start	6642	End	7223
GI	none	Score	.6
Exons	6642..6778, 6862..7051, 7149..7223		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20016	Strand	
Start	8029	End	10399
Name	OJ991020_07.0202.C15.o2.tm	Method	TBLASTX:Maize
Start	8029	End	9930
GI	none	Score	254
Exons	8029..8196, 8031..8201, 9892..9930		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20016	Strand	
Start	8029	End	10399
Name	OJ991020_07.0202.C15.o1.tw	Method	TBLASTX:Wheat
Start	8032	End	10182
GI	none	Score	160
Exons	8032..8163, 8047..8142, 8112..8162, 9892..10182, 9975..10181		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20016	Strand	
Start	8029	End	10399
Name	OJ991020_07.0202.C15.o1.tc	Method	TBLASTX:Cress
Start	8041	End	10250
GI	none	Score	67
Exons	8041..8109, 8047..8112, 8106..8159, 8113..8163, 8189..8281, 9892..10242, 9975..10250		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20016	Strand	
Start	8029	End	10399
Name	OJ991020_07.0202.C15.o1.ts	Method	TBLASTX:Soybean
Start	8065	End	10245
GI	none	Score	116
Exons	8065..8160, 8106..8159, 9892..10245, 9913..10164, 9978..10244		

Seq. No.	9356	Seq. ID	OJ991020_07.0202.C15
Gene No.	20016	Strand	
Start	8029	End	10399
Name	OJ991020_07.0202.C15.o1.tm	Method	TBLASTX:Maize
Start	9965	End	10399
GI	none	Score	243
Exons	9965..10321, 9965..10183, 9973..10395, 9975..10394, 10247..10399		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20017	Strand	+
Start	7	End	2285
Name	OJ991020_07.0202.C16.o1.gs	Method	GENSCAN
Start	7	End	1131
GI	none	Score	.75
Exons	7..12, 376..480, 763..838, 1007..1131		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20017	Strand	+
Start	7	End	2285
Name	OJ991020_07.0202.C16.o1.np	Method	AAT/NAP

Start	128	End	2285
GI	5306252	Score	160
Exons	128..180, 376..480, 763..838, 915..965, 2130..2285		
GI Descrip.	(AC006438) putative cyclophilin-type peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20018	Strand	-
Start	1952	End	6636
Name	OJ991020_07.0202.C16.o2.tw	Method	TBLASTX:Wheat
Start	126	End	1125
GI	none	Score	87
Exons	126..182, 126..179, 378..482, 379..495, 380..493, 436..495, 754..840, 762..839, 907..957, 908..958, 915..959, 1015..1125, 1034..1123		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20018	Strand	-
Start	1952	End	6636
Name	OJ991020_07.0202.C16.o1.gp	Method	AAT/GAP
Start	1952	End	2584
GI	uC-osroM202004d04a2	Score	998
Exons	1952..2280, 2405..2584		
GI Descrip.	'3297818/emb|CAA19876.1| 1.0e-27 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20018	Strand	-
Start	1952	End	6636
Name	OJ991020_07.0202.C16.o1.tm	Method	TBLASTX:Maize
Start	2104	End	4084
GI	none	Score	76
Exons	2104..2127, 2153..2212, 2154..2282, 2155..2283, 2155..2283, 2156..2284, 2404..2568, 2408..2584, 2408..2584, 2412..2585, 2656..2772, 2657..2785, 2688..2786, 2850..2987, 2864..2989, 2866..2985, 2891..2986, 3355..3486, 3357..3488, 3357..3488, 3870..4055, 3870..4082, 3872..4084, 3872..4084		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20018	Strand	-
Start	1952	End	6636
Name	OJ991020_07.0202.C16.o2.gs	Method	GENSCAN
Start	2157	End	5217
GI	none	Score	.92
Exons	2157..2280, 2405..2583, 2663..2770, 2864..2986, 3357..3485, 3875..4158, 4660..4971, 5085..5217		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20018	Strand	-
Start	1952	End	6636
Name	OJ991020_07.0202.C16.o2.np	Method	AAT/NAP
Start	2160	End	6636
GI	3297818	Score	894
Exons	2160..2280, 2405..2583, 2663..2770, 2864..2986, 3357..3485, 3875..4158, 4660..4971, 5179..5317, 6580..6636		
GI Descrip.	(AL031032) putative protein [Arabidopsis thaliana]		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20018	Strand	-
Start	1952	End	6636
Name	OJ991020_07.0202.C16.o2.gp	Method	AAT/GAP
Start	4126	End	5228
GI	none	Score	926
Exons	4126..4158, 4660..4971, 5085..5228		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20018	Strand	-
Start	1952	End	6636
Name	OJ991020_07.0202.C16.o2.tm	Method	TBLASTX:Maize
Start	4701	End	5220
GI	none	Score	102
Exons	4701..4784, 4705..4803, 4706..4804, 4706..4804, 4801..4863, 4802..4861, 4889..4969, 4895..4972, 5083..5220, 5149..5217, 5166..5219		

Seq. No.	9357	Seq. ID	OJ991020_07.0202.C16
Gene No.	20018	Strand	-
Start	1952	End	6636
Name	OJ991020_07.0202.C16.o1.tw	Method	TBLASTX:Wheat
Start	4802	End	5226
GI	none	Score	71
Exons	4802..4867, 4804..4866, 4887..4973, 4895..4972, 5083..5226, 5149..5217		

Seq. No.	9358	Seq. ID	OJ991020_07.0202.C17
Gene No.	20019	Strand	-
Start	1	End	602
Name	OJ991020_07.0202.C17.o1.np	Method	AAT/NAP
Start	1	End	602
GI	5051781	Score	524
Exons	1..602		
GI Descrip.	(AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]		

Seq. No.	9358	Seq. ID	OJ991020_07.0202.C17
Gene No.	20019	Strand	-
Start	1	End	602
Name	OJ991020_07.0202.C17.o1.tc	Method	TBLASTX:Cress
Start	150	End	590
GI	none	Score	115
Exons	150..488, 153..590, 163..546		

Seq. No.	9358	Seq. ID	OJ991020_07.0202.C17
Gene No.	20019	Strand	-
Start	1	End	602
Name	OJ991020_07.0202.C17.o1.gp	Method	AAT/GAP
Start	154	End	326
GI	41080_1.R1084	Score	294
Exons	154..326		
GI Descrip.	'5051781/emb|CAB45074.1| 2.0e-36 (AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]'		

Seq. No.	9358	Seq. ID	OJ991020_07.0202.C17
Gene No.	20019	Strand	-

Start	1	End	602
Name	OJ991020_07.0202.C17.o1.ts	Method	TBLASTX:Soybean
Start	207	End	602
GI	none	Score	242
Exons	207..602, 208..600		

Seq. No.	9358	Seq. ID	OJ991020_07.0202.C17
Gene No.	20019	Strand	-
Start	1	End	602
Name	OJ991020_07.0202.C17.o1.tm	Method	TBLASTX:Maize
Start	351	End	602
GI	none	Score	128
Exons	351..503, 351..602, 352..600		

Seq. No.	9359	Seq. ID	OJ991210_07.0211.C1
Gene No.	20020	Strand	+
Start	815	End	1043
Name	OJ991210_07.0211.C1.o2.gp	Method	AAT/GAP
Start	815	End	1043
GI	3761181	Score	335
Exons	815..1043		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	9359	Seq. ID	OJ991210_07.0211.C1
Gene No.	20021	Strand	-
Start	1588	End	4030
Name	OJ991210_07.0211.C1.o1.gp	Method	AAT/GAP
Start	701	End	806
GI	5816518	Score	155
Exons	701..806		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	9359	Seq. ID	OJ991210_07.0211.C1
Gene No.	20021	Strand	-
Start	1588	End	4030
Name	OJ991210_07.0211.C1.o1.gs	Method	GENSCAN
Start	1588	End	4030
GI	none	Score	.55
Exons	1588..1724, 2165..2210, 2294..2394, 3319..3417, 3880..4030		

Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20022	Strand	+
Start	5788	End	10149
Name	OJ991210_07.0211.C2.o2.np	Method	AAT/NAP
Start	5711	End	10149
GI	4895186	Score	1379
Exons	5711..5730, 7539..7611, 7699..7769, 7845..7933, 8016..8148, 8242..8471, 8577..9053, 9126..9320, 10095..10149		
GI Descrip.	(AC007661) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20022	Strand	+
Start	5788	End	10149
Name	OJ991210_07.0211.C2.o2.gs	Method	GENSCAN

Start	5788	End	9763
GI	none	Score	.44
Exons	5788..6363, 7680..7769, 7845..7933, 8577..9053, 9126..9312, 9734..9763		

Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20023	Strand	-
Start	341	End	4764
Name	OJ991210_07.0211.C2.o1.gs	Method	GENSCAN
Start	341	End	4764
GI	none	Score	.72
Exons	341..549, 1137..1389, 1610..1865, 1952..2282, 2649..2864, 4653..4764		

Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20024	Strand	
Start	7536	End	9054
Name	OJ991210_07.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	7536	End	8766
GI	none	Score	47
Exons	7536..7589, 7545..7589, 7712..7768, 7713..7772, 7845..7928, 7845..7883, 8007..8150, 8014..8181, 8248..8481, 8574..8666, 8575..8766, 8578..8763		

Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20024	Strand	
Start	7536	End	9054
Name	OJ991210_07.0211.C2.o2.ts	Method	TBLASTX:Soybean
Start	7542	End	8181
GI	none	Score	87
Exons	7542..7604, 7548..7589, 7712..7768, 7713..7772, 7845..7931, 7845..7931, 7849..7932, 8007..8144, 8014..8181		

Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20024	Strand	
Start	7536	End	9054
Name	OJ991210_07.0211.C2.o1.tc	Method	TBLASTX:Cress
Start	8232	End	9054
GI	none	Score	74
Exons	8232..8474, 8248..8481, 8283..8330, 8385..8486, 8574..8648, 8575..8646, 8576..8647, 8698..9054, 8715..9053, 8893..9054		

Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20024	Strand	
Start	7536	End	9054
Name	OJ991210_07.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	8248	End	9054
GI	none	Score	218
Exons	8248..8481, 8248..8466, 8574..8666, 8575..9054, 8575..8676, 8715..8858, 8892..9053		

Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20024	Strand	
Start	7536	End	9054
Name	OJ991210_07.0211.C2.o2.tm	Method	TBLASTX:Maize
Start	8864	End	9054
GI	none	Score	138

Exons	8864..9049, 8865..9050, 8865..9053, 8866..9054, 8866..9054		
Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20025	Strand	
Start	9124	End	9312
Name	OJ991210_07.0211.C2.o3.tm	Method	TBLASTX:Maize
Start	9124	End	9312
GI	none	Score	199
Exons	9124..9312, 9124..9258, 9183..9296		
Seq. No.	9360	Seq. ID	OJ991210_07.0211.C2
Gene No.	20025	Strand	
Start	9124	End	9312
Name	OJ991210_07.0211.C2.o3.ts	Method	TBLASTX:Soybean
Start	9124	End	9306
GI	none	Score	201
Exons	9124..9288, 9133..9306, 9195..9305		
Seq. No.	9361	Seq. ID	OJ991210_07.0211.C3
Gene No.	20026	Strand	-
Start	71	End	953
Name	OJ991210_07.0211.C3.o1.gs	Method	GENSCAN
Start	71	End	953
GI	none	Score	.87
Exons	71..189, 902..953		
Seq. No.	9361	Seq. ID	OJ991210_07.0211.C3
Gene No.	20027	Strand	-
Start	1253	End	2126
Name	OJ991210_07.0211.C3.o2.gs	Method	GENSCAN
Start	1253	End	2126
GI	none	Score	.87
Exons	1253..1386, 1438..1728, 2048..2126		
Seq. No.	9362	Seq. ID	OJ991210_07.0211.C4
Gene No.	20028	Strand	+
Start	196	End	438
Name	OJ991210_07.0211.C4.o1.gs	Method	GENSCAN
Start	196	End	438
GI	none	Score	.52
Exons	196..342, 434..438		
Seq. No.	9362	Seq. ID	OJ991210_07.0211.C4
Gene No.	20029	Strand	+
Start	719	End	1050
Name	OJ991210_07.0211.C4.o1.gp	Method	AAT/GAP
Start	719	End	1050
GI	2312654	Score	533
Exons	719..1050		
Seq. No.	9362	Seq. ID	OJ991210_07.0211.C4
Gene No.	20030	Strand	+
Start	1091	End	2863
Name	OJ991210_07.0211.C4.o1.np	Method	AAT/NAP
Start	1091	End	2863
GI	4388718	Score	67
Exons	1091..1352, 2819..2863		

GI Descrip.	(AC006413) putative Ty3-gypsy-like retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	9362	Seq. ID	OJ991210_07.0211.C4
Gene No.	20031	Strand	-
Start	641	End	2147
Name	OJ991210_07.0211.C4.o2.gs	Method	GENSCAN
Start	641	End	2147
GI	none	Score	.73
Exons	641..725, 2035..2147		
Seq. No.	9363	Seq. ID	OJ991210_07.0211.C6
Gene No.	20032	Strand	+
Start	437	End	1497
Name	OJ991210_07.0211.C6.o1.gp	Method	AAT/GAP
Start	437	End	1497
GI	14962_1.R1084	Score	984
Exons	437..580, 1099..1497		
GI Descrip.	'3861402/emb|CAA15301| 5.0e-12 (AJ235273) 50S RIBOSOMAL PROTEIN L33 (rpmG) [Rickettsia prowazekii]'		
Seq. No.	9363	Seq. ID	OJ991210_07.0211.C6
Gene No.	20032	Strand	+
Start	437	End	1497
Name	OJ991210_07.0211.C6.o1.gs	Method	GENSCAN
Start	454	End	663
GI	none	Score	.56
Exons	454..559, 616..663		
Seq. No.	9363	Seq. ID	OJ991210_07.0211.C6
Gene No.	20032	Strand	+
Start	437	End	1497
Name	OJ991210_07.0211.C6.o1.np	Method	AAT/NAP
Start	1110	End	1280
GI	6437554	Score	212
Exons	1110..1280		
GI Descrip.	(AC011623) putative 50S ribosomal protein L33 [Arabidopsis thaliana]		
Seq. No.	9363	Seq. ID	OJ991210_07.0211.C6
Gene No.	20033	Strand	-
Start	959	End	2037
Name	OJ991210_07.0211.C6.o2.gs	Method	GENSCAN
Start	959	End	2037
GI	none	Score	.75
Exons	959..1174, 1651..1679, 1950..2037		
Seq. No.	9363	Seq. ID	OJ991210_07.0211.C6
Gene No.	20033	Strand	-
Start	959	End	2037
Name	OJ991210_07.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	1109	End	1293
GI	none	Score	290
Exons	1109..1285, 1110..1286, 1110..1286, 1111..1293		
Seq. No.	9364	Seq. ID	OJ991210_07.0211.C9
Gene No.	20034	Strand	+

Start	2039	End	8439
Name	OJ991210_07.0211.C9.o1.gs	Method	GENSCAN
Start	2039	End	8436
GI	none	Score	.56
Exons	2039..2138, 2408..2587, 2629..2783, 2964..3071, 5351..5457, 5683..5729, 5816..6332, 8214..8436		

Seq. No.	9364	Seq. ID	OJ991210_07.0211.C9
Gene No.	20034	Strand	+
Start	2039	End	8439
Name	OJ991210_07.0211.C9.o2.np	Method	AAT/NAP
Start	5851	End	8439
GI	4895189	Score	243
Exons	5851..6057, 6166..6332, 8214..8439		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	9364	Seq. ID	OJ991210_07.0211.C9
Gene No.	20035	Strand	-
Start	2516	End	6240
Name	OJ991210_07.0211.C9.o1.np	Method	AAT/NAP
Start	2516	End	6240
GI	102424	Score	68
Exons	2516..2592, 2819..2917, 5839..5910, 6031..6240		
GI Descrip.	collagen-related protein 1 precursor - Hydra magnipapillata gi|102428|pir||S21929 mini-collagen - Hydra sp gi|9447|emb|CAA43379| (X61045) mini-collagen [Hydra sp.]		

Seq. No.	9364	Seq. ID	OJ991210_07.0211.C9
Gene No.	20036	Strand	-
Start	8786	End	8995
Name	OJ991210_07.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	5456	End	6333
GI	none	Score	50
Exons	5456..5494, 5470..5538, 5532..5576, 5533..5568, 5910..5936, 5911..5937, 5935..6024, 5943..6023, 6075..6332, 6076..6333		

Seq. No.	9364	Seq. ID	OJ991210_07.0211.C9
Gene No.	20036	Strand	-
Start	8786	End	8995
Name	OJ991210_07.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	6178	End	8298
GI	none	Score	197
Exons	6178..6333, 6183..6347, 8212..8298		

Seq. No.	9364	Seq. ID	OJ991210_07.0211.C9
Gene No.	20036	Strand	-
Start	8786	End	8995
Name	OJ991210_07.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	8211	End	8430
GI	none	Score	54
Exons	8211..8255, 8212..8304, 8292..8414, 8329..8430, 8329..8424, 8337..8429		

Seq. No.	9364	Seq. ID	OJ991210_07.0211.C9
Gene No.	20036	Strand	-
Start	8786	End	8995
Name	OJ991210_07.0211.C9.o2.tm	Method	TBLASTX:Maize

Start	8211	End	8385
GI	none	Score	125
Exons	8211..8303, 8212..8352, 8221..8319, 8329..8385, 8333..8383, 8337..8384		

Seq. No.	9364	Seq. ID	OJ991210_07.0211.C9
Gene No.	20036	Strand	-
Start	8786	End	8995
Name	OJ991210_07.0211.C9.o2.gs	Method	GENSCAN
Start	8786	End	8995
GI	none	Score	.56
Exons	8786..8995		

Seq. No.	9365	Seq. ID	OJ991210_07.0211.C10
Gene No.	20037	Strand	+
Start	573	End	1281
Name	OJ991210_07.0211.C10.o1.gs	Method	GENSCAN
Start	573	End	1281
GI	none	Score	.8
Exons	573..787, 1119..1281		

Seq. No.	9365	Seq. ID	OJ991210_07.0211.C10
Gene No.	20038	Strand	-
Start	820	End	998
Name	OJ991210_07.0211.C10.o1.gp	Method	AAT/GAP
Start	820	End	998
GI	4715988	Score	324
Exons	820..998		

Seq. No.	9365	Seq. ID	OJ991210_07.0211.C10
Gene No.	20039	Strand	-
Start	2251	End	2544
Name	OJ991210_07.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	2250	End	2544
GI	none	Score	171
Exons	2250..2405, 2251..2406, 2497..2544, 2497..2541		

Seq. No.	9365	Seq. ID	OJ991210_07.0211.C10
Gene No.	20039	Strand	-
Start	2251	End	2544
Name	OJ991210_07.0211.C10.o2.gs	Method	GENSCAN
Start	2251	End	2455
GI	none	Score	.95
Exons	2251..2455		

Seq. No.	9366	Seq. ID	OJ991210_07.0211.C11
Gene No.	20040	Strand	-
Start	1	End	1163
Name	OJ991210_07.0211.C11.o1.np	Method	AAT/NAP
Start	1	End	1163
GI	4895190	Score	411
Exons	1..64, 143..202, 325..396, 475..555, 824..892, 968..1163		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	9366	Seq. ID	OJ991210_07.0211.C11
Gene No.	20040	Strand	-
Start	1	End	1163

Name	OJ991210_07.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1003
GI	none	Score	75
Exons	2..64, 6..65, 146..163, 146..202, 323..400, 325..402, 326..397, 493..564, 828..893, 968..1003		

Seq. No.	9366	Seq. ID	OJ991210_07.0211.C11
Gene No.	20040	Strand	-
Start	1	End	1163
Name	OJ991210_07.0211.C11.o1.gs	Method	GENSCAN
Start	142	End	1054
GI	none	Score	.56
Exons	142..202, 968..1054		

Seq. No.	9366	Seq. ID	OJ991210_07.0211.C11
Gene No.	20040	Strand	-
Start	1	End	1163
Name	OJ991210_07.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	142	End	1058
GI	none	Score	98
Exons	142..225, 143..205, 323..400, 325..402, 326..397, 475..561, 493..564, 814..888, 828..893, 828..884, 860..892, 966..1058, 968..1054, 969..1055		

Seq. No.	9367	Seq. ID	OJ991210_07.0211.C12
Gene No.	20041	Strand	-
Start	1164	End	1767
Name	OJ991210_07.0211.C12.o1.gp	Method	AAT/GAP
Start	1164	End	1767
GI	46627_1.R1084	Score	931
Exons	1164..1233, 1345..1767		
GI Descrip.	'3402817/emb|CAA07704| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	9368	Seq. ID	OJ991210_07.0211.C13
Gene No.	20042	Strand	+
Start	718	End	1299
Name	OJ991210_07.0211.C13.o1.np	Method	AAT/NAP
Start	718	End	1299
GI	6907106	Score	388
Exons	718..1033, 1107..1299		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9368	Seq. ID	OJ991210_07.0211.C13
Gene No.	20043	Strand	+
Start	1352	End	1766
Name	OJ991210_07.0211.C13.o1.gp	Method	AAT/GAP
Start	1352	End	1766
GI	91923_1.R1084	Score	508
Exons	1352..1766		
GI Descrip.	'4006878/emb|CAB16796.1| 7.0e-11 (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	9368	Seq. ID	OJ991210_07.0211.C13
Gene No.	20044	Strand	-
Start	2873	End	3196

Name	OJ991210_07.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	855	End	1194
GI	none	Score	140
Exons	855..1046, 856..1047, 865..1059, 879..1049, 972..1049, 1024..1125, 1063..1128, 1064..1192, 1079..1192, 1137..1193, 1156..1194		

Seq. No.	9368	Seq. ID	OJ991210_07.0211.C13
Gene No.	20044	Strand	-
Start	2873	End	3196
Name	OJ991210_07.0211.C13.o2.gs	Method	GENSCAN
Start	2873	End	3196
GI	none	Score	.8
Exons	2873..3196		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20045	Strand	+
Start	3502	End	5163
Name	OJ991210_07.0211.C14.o2.gs	Method	GENSCAN
Start	3502	End	5163
GI	none	Score	.54
Exons	3502..3637, 4154..4329, 4433..4481, 4626..4697, 5069..5163		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20046	Strand	+
Start	31723	End	35430
Name	OJ991210_07.0211.C14.o9.gs	Method	GENSCAN
Start	31723	End	35430
GI	none	Score	.66
Exons	31723..31876, 32276..32413, 32845..32959, 33672..33850, 33964..34093, 34444..34522, 35000..35074, 35242..35430		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20047	Strand	+
Start	49744	End	51850
Name	OJ991210_07.0211.C14.o8.gp	Method	AAT/GAP
Start	49627	End	50143
GI	none	Score	742
Exons	49627..49936, 50034..50143		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20047	Strand	+
Start	49744	End	51850
Name	OJ991210_07.0211.C14.o11.gs	Method	GENSCAN
Start	49744	End	51850
GI	none	Score	.7
Exons	49744..49936, 50034..50143, 50237..50355, 51775..51850		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20047	Strand	+
Start	49744	End	51850
Name	OJ991210_07.0211.C14.o6.np	Method	AAT/NAP
Start	49762	End	51847
GI	6714413	Score	371
Exons	49762..49936, 50034..50143, 50237..50355, 51775..51847		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20048	Strand	+
Start	55039	End	56586
Name	OJ991210_07.0211.C14.o9.np	Method	AAT/NAP
Start	55039	End	56586
GI	5902373	Score	438
Exons	55039..55113, 55603..55670, 55872..55985, 56100..56262, 56339..56485, 56563..56586		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20049	Strand	+
Start	56950	End	57328
Name	OJ991210_07.0211.C14.o10.gp	Method	AAT/GAP
Start	56950	End	57328
GI	427177	Score	754
Exons	56950..57328		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20050	Strand	-
Start	4418	End	5847
Name	OJ991210_07.0211.C14.o1.np	Method	AAT/NAP
Start	4418	End	5847
GI	6907088	Score	670
Exons	4418..4815, 5300..5534, 5710..5847		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20051	Strand	-
Start	7444	End	9358
Name	OJ991210_07.0211.C14.o3.gs	Method	GENSCAN
Start	7444	End	9338
GI	none	Score	.79
Exons	7444..7655, 8184..8315, 8359..8374, 8701..8847, 9324..9338		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20051	Strand	-
Start	7444	End	9358
Name	OJ991210_07.0211.C14.o1.gp	Method	AAT/GAP
Start	9220	End	9358
GI	LIB3474-009-P1-K1-F11	Score	224
Exons	9220..9358		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20052	Strand	-
Start	10779	End	11781
Name	OJ991210_07.0211.C14.o4.gs	Method	GENSCAN
Start	10779	End	11781
GI	none	Score	.6
Exons	10779..11042, 11449..11781		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20053	Strand	-
Start	12548	End	14946
Name	OJ991210_07.0211.C14.o5.gs	Method	GENSCAN

Start	12548	End	14631
GI	none	Score	.81
Exons	12548..12633, 13193..13291, 13376..13483, 13585..13909, 13992..14357, 14431..14631		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20053	Strand	-
Start	12548	End	14946
Name	OJ991210_07.0211.C14.o2.gp	Method	AAT/GAP
Start	12968	End	13844
GI	76386_1.R1084	Score	1226
Exons	12968..13291, 13376..13483, 13585..13844		
GI Descrip.	'4263528/gb|AAD15354| 6.0e-09 (AC004044) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20053	Strand	-
Start	12548	End	14946
Name	OJ991210_07.0211.C14.o3.gp	Method	AAT/GAP
Start	14520	End	14946
GI	none	Score	813
Exons	14520..14946		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20054	Strand	-
Start	15866	End	16599
Name	OJ991210_07.0211.C14.o6.gs	Method	GENSCAN
Start	15866	End	16599
GI	none	Score	.71
Exons	15866..16022, 16296..16451, 16484..16599		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20055	Strand	-
Start	19558	End	21363
Name	OJ991210_07.0211.C14.o2.np	Method	AAT/NAP
Start	19558	End	21363
GI	6721512	Score	139
Exons	19558..19629, 20979..21045, 21088..21221, 21249..21363		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20056	Strand	-
Start	29242	End	29668
Name	OJ991210_07.0211.C14.o4.gp	Method	AAT/GAP
Start	29242	End	29668
GI	3761065	Score	92
Exons	29242..29306, 29642..29668		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20057	Strand	-
Start	35836	End	47158
Name	OJ991210_07.0211.C14.o10.gs	Method	GENSCAN
Start	35836	End	46737
GI	none	Score	.55
Exons	35836..35843, 36011..36110, 36874..36921, 37165..37240, 37637..37709, 37822..37883, 38420..38508, 38601..38675, 38754..38829, 39394..39503, 39741..39848, 43360..43405,		

44564..44664, 45325..45508, 46388..46737

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20057	Strand	-
Start	35836	End	47158
Name	OJ991210_07.0211.C14.o5.gp	Method	AAT/GAP
Start	36450	End	37946
GI	3897_3.R1084	Score	1377
Exons	36450..36921, 37165..37240, 37637..37709, 37822..37946		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 2.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20057	Strand	-
Start	35836	End	47158
Name	OJ991210_07.0211.C14.o3.np	Method	AAT/NAP
Start	37145	End	40286
GI	6946676	Score	132
Exons	37145..37231, 37617..37797, 38604..38867, 39384..39521, 40254..40286		
GI Descrip.	(AL138972) /prediction=(method:""genscan"", version:""1.0"", score:""119.22""); /prediction=(method:""genefinder"", version:""084""); /match=(desc:""LD41675.5prime LD Drosophila melanogaster embryo pOT2 Drosophila melanogaste...		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20057	Strand	-
Start	35836	End	47158
Name	OJ991210_07.0211.C14.o6.gp	Method	AAT/GAP
Start	38146	End	38667
GI	none	Score	735
Exons	38146..38508, 38601..38667		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20057	Strand	-
Start	35836	End	47158
Name	OJ991210_07.0211.C14.o7.gp	Method	AAT/GAP
Start	39342	End	39759
GI	none	Score	807
Exons	39342..39759		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20057	Strand	-
Start	35836	End	47158
Name	OJ991210_07.0211.C14.o4.np	Method	AAT/NAP
Start	43177	End	45538
GI	5922634	Score	76
Exons	43177..43195, 45437..45538		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20057	Strand	-
Start	35836	End	47158
Name	OJ991210_07.0211.C14.o5.np	Method	AAT/NAP
Start	46299	End	47158

GI	4887010	Score	260
Exons	46299..46667, 47119..47158		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20058	Strand	-
Start	51901	End	52014
Name	OJ991210_07.0211.C14.o9.gp	Method	AAT/GAP
Start	51901	End	52014
GI	none	Score	184
Exons	51901..52014		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o7.tm	Method	TBLASTX:Maize
Start	13121	End	13765
GI	none	Score	65
Exons	13121..13216, 13432..13485, 13434..13484, 13568..13765, 13584..13694		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	14154	End	14676
GI	none	Score	66
Exons	14154..14213, 14154..14357, 14155..14385, 14443..14517, 14445..14516, 14506..14676, 14506..14547		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o6.tm	Method	TBLASTX:Maize
Start	38600	End	39522
GI	none	Score	65
Exons	38600..38677, 38601..38675, 38602..38676, 38720..38866, 38752..38868, 38754..38867, 38773..38868, 39394..39522, 39394..39519, 39396..39521		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o2.ts	Method	TBLASTX:Soybean
Start	45889	End	46668
GI	none	Score	65
Exons	45889..46008, 46357..46659, 46373..46606, 46462..46668		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o2.tc	Method	TBLASTX:Cress
Start	46357	End	46659
GI	none	Score	120
Exons	46357..46659, 46373..46603		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14

Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o5.tm	Method	TBLASTX:Maize
Start	46388	End	46668
GI	none	Score	84
Exons	46388..46537, 46390..46542, 46534..46668, 46546..46653		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o1.tw	Method	TBLASTX:Wheat
Start	49744	End	50356
GI	none	Score	165
Exons	49744..49860, 49744..49869, 49870..49944, 49891..49935, 50035..50145, 50036..50158, 50036..50158, 50234..50356, 50236..50355		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o1.tc	Method	TBLASTX:Cress
Start	49750	End	50356
GI	none	Score	143
Exons	49750..49935, 50036..50158, 50234..50356		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o1.ts	Method	TBLASTX:Soybean
Start	49753	End	51841
GI	none	Score	130
Exons	49753..49935, 50036..50158, 50234..50356, 50242..50355, 51758..51841		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	49759	End	51850
GI	none	Score	182
Exons	49759..49944, 49762..49935, 50033..50158, 50036..50158, 50234..50356, 50236..50355, 51772..51849, 51773..51850		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o7.np	Method	AAT/NAP
Start	53615	End	54923
GI	5777617	Score	103
Exons	53615..53741, 54859..54923		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20059	Strand	-
Start	53615	End	54923
Name	OJ991210_07.0211.C14.o8.np	Method	AAT/NAP
Start	54100	End	54183

GI	5852084	Score	100
Exons	54100..54183		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20060	Strand	
Start	54993	End	56183
Name	OJ991210_07.0211.C14.o4.tm	Method	TBLASTX:Maize
Start	54993	End	56183
GI	none	Score	120
Exons	54993..55112, 55033..55113, 55033..55113, 55034..55114, 55588..55671, 55602..55676, 55610..55675, 55869..55991, 55870..55989, 55870..55995, 56050..56181, 56097..56183, 56105..56182		

Seq. No.	9369	Seq. ID	OJ991210_07.0211.C14
Gene No.	20061	Strand	
Start	56184	End	56602
Name	OJ991210_07.0211.C14.o3.tm	Method	TBLASTX:Maize
Start	56184	End	56602
GI	none	Score	127
Exons	56184..56264, 56185..56262, 56196..56264, 56309..56485, 56338..56487, 56338..56484, 56339..56485, 56555..56602, 56560..56601		

Seq. No.	9370	Seq. ID	OJ991020_01.0207.C1
Gene No.	20062	Strand	+
Start	1	End	2310
Name	OJ991020_01.0207.C1.o1.np	Method	AAT/NAP
Start	1	End	2310
GI	6815062	Score	1221
Exons	1..926, 1012..1252, 1311..1620, 1697..1795, 1865..1918, 2025..2310		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	9370	Seq. ID	OJ991020_01.0207.C1
Gene No.	20062	Strand	+
Start	1	End	2310
Name	OJ991020_01.0207.C1.o1.gs	Method	GENSCAN
Start	69	End	2238
GI	none	Score	.83
Exons	69..926, 1012..1220, 1326..1620, 1697..1795, 1865..2238		

Seq. No.	9370	Seq. ID	OJ991020_01.0207.C1
Gene No.	20062	Strand	+
Start	1	End	2310
Name	OJ991020_01.0207.C1.o1.tm	Method	TBLASTX:Maize
Start	269	End	773
GI	none	Score	95
Exons	269..394, 270..404, 435..773, 435..689, 464..769		

Seq. No.	9370	Seq. ID	OJ991020_01.0207.C1
Gene No.	20062	Strand	+
Start	1	End	2310
Name	OJ991020_01.0207.C1.o2.tm	Method	TBLASTX:Maize

Start	1012	End	1620
GI	none	Score	228
Exons	1012..1221, 1062..1220, 1318..1395, 1435..1620		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20063	Strand	+
Start	761	End	1048
Name	OJ991020_01.0207.C2.o1.gs	Method	GENSCAN
Start	761	End	1048
GI	none	Score	.8
Exons	761..1048		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20064	Strand	+
Start	7538	End	9829
Name	OJ991020_01.0207.C2.o4.gs	Method	GENSCAN
Start	7538	End	9829
GI	none	Score	.63
Exons	7538..7670, 7854..8033, 8285..8423, 9613..9829		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20065	Strand	-
Start	1610	End	2714
Name	OJ991020_01.0207.C2.o2.gs	Method	GENSCAN
Start	1610	End	2714
GI	none	Score	.83
Exons	1610..1766, 2482..2714		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20066	Strand	-
Start	3781	End	7189
Name	OJ991020_01.0207.C2.o3.gs	Method	GENSCAN
Start	3781	End	7189
GI	none	Score	.69
Exons	3781..3828, 4937..5056, 6822..7060, 7147..7189		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o3.tm	Method	TBLASTX:Maize
Start	911	End	2526
GI	none	Score	194
Exons	911..973, 926..1132, 990..1133, 1006..1134, 1060..1137, 2481..2525, 2482..2526		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o5.gs	Method	GENSCAN
Start	11052	End	21882
GI	none	Score	.77
Exons	11052..11171, 14902..15116, 15255..15439, 16032..18436, 18623..18719, 19185..19246, 19416..19671, 19916..19994, 21516..21882		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-

Start	11052	End	21923
Name	OJ991020_01.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	15994	End	16513
GI	none	Score	422
Exons	15994..16329, 16026..16490, 16028..16513, 16028..16510, 16348..16512		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o1.np	Method	AAT/NAP
Start	15996	End	18511
GI	282881	Score	1237
Exons	15996..18511		
GI Descrip.	receptor-like protein kinase precursor - Arabidopsis thaliana gi|166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o2.ts	Method	TBLASTX:Soybean
Start	16043	End	16400
GI	none	Score	116
Exons	16043..16288, 16053..16274, 16262..16396, 16293..16400, 16341..16397		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o1.tc	Method	TBLASTX:Cress
Start	16049	End	18383
GI	none	Score	97
Exons	16049..16285, 16059..16262, 16061..16285, 16287..16568, 16295..16834, 16319..16819, 16338..16823, 16839..16946, 16844..16966, 17162..17236, 17255..17380, 17372..17509, 17840..17968, 17990..18040, 18206..18292, 18239..18286, 18287..18373, 18318..18383		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o1.gp	Method	AAT/GAP
Start	16206	End	16421
GI	LIB3433-029-P1-K1-H12	Score	364
Exons	16206..16421		
GI Descrip.	'282881/pir||S27754 9.0e-16 receptor-like protein kinase precursor - Arabidopsis thaliana >gi_166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o1.tw	Method	TBLASTX:Wheat
Start	16376	End	16778
GI	none	Score	138
Exons	16376..16633, 16377..16604, 16391..16621, 16640..16759,		

16640..16777, 16662..16778

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o1.ts	Method	TBLASTX:Soybean
Start	16457	End	17239
GI	none	Score	237
Exons	16457..16801, 16467..16784, 16472..16801, 16805..17032, 16815..16937, 17198..17239		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o2.tm	Method	TBLASTX:Maize
Start	16514	End	16981
GI	none	Score	69
Exons	16514..16621, 16515..16622, 16635..16841, 16640..16786, 16805..16981		

Seq. No.	9371	Seq. ID	OJ991020_01.0207.C2
Gene No.	20067	Strand	-
Start	11052	End	21923
Name	OJ991020_01.0207.C2.o3.np	Method	AAT/NAP
Start	21502	End	21923
GI	4680185	Score	463
Exons	21502..21923		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9372	Seq. ID	OJ991020_01.0207.C3
Gene No.	20068	Strand	+
Start	554	End	935
Name	OJ991020_01.0207.C3.o1.gp	Method	AAT/GAP
Start	554	End	935
GI	uC-osflcyp033a04b1	Score	639
Exons	554..935		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9372	Seq. ID	OJ991020_01.0207.C3
Gene No.	20069	Strand	-
Start	487	End	1579
Name	OJ991020_01.0207.C3.o1.np	Method	AAT/NAP
Start	487	End	1579
GI	4680186	Score	348
Exons	487..687, 1525..1579		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9373	Seq. ID	OJ991020_01.0207.C4
Gene No.	20070	Strand	-
Start	567	End	1103
Name	OJ991020_01.0207.C4.o1.tm	Method	TBLASTX:Maize
Start	159	End	446
GI	none	Score	144
Exons	159..215, 198..311, 321..446		

Seq. No.	9373	Seq. ID	OJ991020_01.0207.C4

Gene No.	20070	Strand	-
Start	567	End	1103
Name	OJ991020_01.0207.C4.o1.gs	Method	GENSCAN
Start	567	End	1103
GI	none	Score	.9
Exons	567..1103		

Seq. No.	9374	Seq. ID	OJ991020_01.0207.C6
Gene No.	20071	Strand	+
Start	1	End	113
Name	OJ991020_01.0207.C6.o1.gp	Method	AAT/GAP
Start	1	End	113
GI	LIB3477-003-P1-K1-E9	Score	194
Exons	1..113		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9375	Seq. ID	OJ991020_01.0207.C7
Gene No.	20072	Strand	+
Start	1	End	1000
Name	OJ991020_01.0207.C7.o2.np	Method	AAT/NAP
Start	1	End	1000
GI	5734621	Score	71
Exons	1..63, 806..1000		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	9375	Seq. ID	OJ991020_01.0207.C7
Gene No.	20073	Strand	-
Start	1	End	1000
Name	OJ991020_01.0207.C7.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	5734621	Score	207
Exons	1..136, 562..788, 938..1000		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	9375	Seq. ID	OJ991020_01.0207.C7
Gene No.	20073	Strand	-
Start	1	End	1000
Name	OJ991020_01.0207.C7.o1.gs	Method	GENSCAN
Start	154	End	957
GI	none	Score	.86
Exons	154..198, 768..957		

Seq. No.	9376	Seq. ID	OJ991020_01.0207.C9
Gene No.	20074	Strand	-
Start	800	End	6782
Name	OJ991020_01.0207.C9.o1.gs	Method	GENSCAN
Start	800	End	6782
GI	none	Score	.53
Exons	800..861, 1195..1311, 2061..2134, 2293..2438, 2443..2584, 3567..3897, 5201..5459, 6699..6782		

Seq. No.	9376	Seq. ID	OJ991020_01.0207.C9
Gene No.	20074	Strand	-
Start	800	End	6782
Name	OJ991020_01.0207.C9.o1.np	Method	AAT/NAP
Start	5205	End	5393
GI	5042448	Score	113
Exons	5205..5393		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20075	Strand	+
Start	238	End	961
Name	OJ991020_01.0207.C10.o1.gs	Method	GENSCAN
Start	238	End	961
GI	none	Score	.88
Exons	238..326, 874..961		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20076	Strand	+
Start	1908	End	2281
Name	OJ991020_01.0207.C10.o1.gp	Method	AAT/GAP
Start	1908	End	2281
GI	none	Score	463
Exons	1908..1955, 1990..2281		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20077	Strand	+
Start	6165	End	6308
Name	OJ991020_01.0207.C10.o2.gp	Method	AAT/GAP
Start	6165	End	6308
GI	21474_1.R1084	Score	235
Exons	6165..6308		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20078	Strand	+
Start	6342	End	11150
Name	OJ991020_01.0207.C10.o3.gp	Method	AAT/GAP
Start	6342	End	11150
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	6342..6381, 11088..11150		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20079	Strand	-
Start	1824	End	10296
Name	OJ991020_01.0207.C10.o2.gs	Method	GENSCAN
Start	1824	End	10281
GI	none	Score	.59
Exons	1824..2441, 4515..4637, 5931..6169, 6607..6769, 6849..6947, 7042..7114, 7199..7309, 7406..7579, 7689..8374, 8376..8518, 8644..8785, 8860..8979, 9025..10281		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20079	Strand	-
Start	1824	End	10296
Name	OJ991020_01.0207.C10.o1.np	Method	AAT/NAP
Start	6602	End	10296
GI	4680204	Score	1061
Exons	6602..6739, 7090..7309, 7406..7579, 7689..8785, 8860..10296		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20079	Strand	-
Start	1824	End	10296
Name	OJ991020_01.0207.C10.o2.np	Method	AAT/NAP
Start	7544	End	10296
GI	4680204	Score	982
Exons	7544..7568, 7665..8785, 8860..10296		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20080	Strand	-
Start	11162	End	11833
Name	OJ991020_01.0207.C10.o2.tw	Method	TBLASTX:Wheat
Start	7240	End	7762
GI	none	Score	68
Exons	7240..7311, 7411..7593, 7418..7543, 7682..7762		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20080	Strand	-
Start	11162	End	11833
Name	OJ991020_01.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	9250	End	9653
GI	none	Score	84
Exons	9250..9420, 9383..9550, 9415..9651, 9502..9651, 9513..9653, 9543..9653		

Seq. No.	9377	Seq. ID	OJ991020_01.0207.C10
Gene No.	20080	Strand	-
Start	11162	End	11833
Name	OJ991020_01.0207.C10.o3.gs	Method	GENSCAN
Start	11162	End	11833
GI	none	Score	.95
Exons	11162..11833		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o1.gp	Method	AAT/GAP
Start	1	End	2695
GI	342_1.R1084	Score	4652
Exons	1..2695		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o1.np	Method	AAT/NAP

Start	1	End	1886
GI	6742729	Score	3042
Exons	1..1886		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o1.tw	Method	TBLASTX:Wheat
Start	3	End	759
GI	none	Score	94
Exons	3..173, 3..758, 28..759, 34..759		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o1.tc	Method	TBLASTX:Cress
Start	24	End	475
GI	none	Score	188
Exons	24..461, 24..467, 28..471, 34..471, 293..475		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o1.gs	Method	GENSCAN
Start	101	End	2699
GI	none	Score	.8
Exons	101..961, 1202..2699		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o2.tm	Method	TBLASTX:Maize
Start	402	End	716
GI	none	Score	68
Exons	402..632, 402..716, 430..705		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o3.tw	Method	TBLASTX:Wheat
Start	760	End	1170
GI	none	Score	81
Exons	760..846, 762..851, 762..845, 879..1097, 919..1089, 1107..1169, 1120..1170		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o2.ts	Method	TBLASTX:Soybean
Start	1203	End	1445
GI	none	Score	216
Exons	1203..1445		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464

Name	OJ991020_01.0207.C11.o1.tm	Method	TBLASTX:Maize
Start	1275	End	1733
GI	none	Score	103
Exons	1275..1469, 1479..1733, 1479..1721		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o2.tw	Method	TBLASTX:Wheat
Start	1309	End	1778
GI	none	Score	173
Exons	1309..1515, 1309..1518, 1314..1538, 1518..1616, 1519..1611, 1620..1724, 1624..1713, 1725..1778, 1726..1770		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o2.tc	Method	TBLASTX:Cress
Start	1566	End	1914
GI	none	Score	88
Exons	1566..1907, 1585..1722, 1762..1914		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o1.ts	Method	TBLASTX:Soybean
Start	1647	End	2076
GI	none	Score	121
Exons	1647..1943, 1665..1889, 1938..2000, 1993..2076, 2001..2075		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o4.tw	Method	TBLASTX:Wheat
Start	1992	End	2348
GI	none	Score	158
Exons	1992..2249, 1997..2248, 2007..2258, 2008..2250, 2241..2348		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o2.np	Method	AAT/NAP
Start	2370	End	3464
GI	5852182	Score	428
Exons	2370..2699, 3375..3464		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	9378	Seq. ID	OJ991020_01.0207.C11
Gene No.	20081	Strand	-
Start	1	End	3464
Name	OJ991020_01.0207.C11.o3.gp	Method	AAT/GAP
Start	2560	End	3148
GI	2310235	Score	305
Exons	2560..2699, 3111..3148		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	9379	Seq. ID	OJ991020_01.0207.C12
Gene No.	20082	Strand	-
Start	2104	End	2579
Name	OJ991020_01.0207.C12.o2.gs	Method	GENSCAN
Start	2104	End	2579
GI	none	Score	.8
Exons	2104..2395, 2479..2579		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20083	Strand	+
Start	223	End	2424
Name	OJ991020_01.0207.C13.o1.gs	Method	GENSCAN
Start	223	End	1698
GI	none	Score	.98
Exons	223..1698		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20083	Strand	+
Start	223	End	2424
Name	OJ991020_01.0207.C13.o2.np	Method	AAT/NAP
Start	266	End	2424
GI	4416301	Score	513
Exons	266..1081, 1115..1787, 2152..2424		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20083	Strand	+
Start	223	End	2424
Name	OJ991020_01.0207.C13.o1.np	Method	AAT/NAP
Start	322	End	1987
GI	3645898	Score	543
Exons	322..1197, 1228..1689, 1773..1987		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20084	Strand	+
Start	5215	End	8306
Name	OJ991020_01.0207.C13.o3.np	Method	AAT/NAP
Start	5215	End	8306
GI	6630685	Score	4379
Exons	5215..5286, 5576..8306		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20085	Strand	-
Start	3093	End	3520
Name	OJ991020_01.0207.C13.o2.gs	Method	GENSCAN
Start	3093	End	3520
GI	none	Score	.46
Exons	3093..3324, 3339..3520		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20086	Strand	-
Start	3725	End	3791
Name	OJ991020_01.0207.C13.o4.tw	Method	TBLASTX:Wheat

Start	295	End	723
GI	none	Score	253
Exons	295..723, 337..423		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20086	Strand	-
Start	3725	End	3791
Name	OJ991020_01.0207.C13.o4.ts	Method	TBLASTX:Soybean
Start	340	End	2477
GI	none	Score	65
Exons	340..432, 436..771, 2345..2386, 2397..2477		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20086	Strand	-
Start	3725	End	3791
Name	OJ991020_01.0207.C13.o6.tm	Method	TBLASTX:Maize
Start	481	End	882
GI	none	Score	210
Exons	481..882, 535..732		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20086	Strand	-
Start	3725	End	3791
Name	OJ991020_01.0207.C13.o1.gp	Method	AAT/GAP
Start	3725	End	3791
GI	uC-osroM202024h08a1	Score	90
Exons	3725..3791		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20087	Strand	
Start	5388	End	6575
Name	OJ991020_01.0207.C13.o4.tm	Method	TBLASTX:Maize
Start	5388	End	5783
GI	none	Score	140
Exons	5388..5516, 5396..5503, 5507..5782, 5511..5783		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20087	Strand	
Start	5388	End	6575
Name	OJ991020_01.0207.C13.o1.tw	Method	TBLASTX:Wheat
Start	5547	End	6119
GI	none	Score	260
Exons	5547..5795, 5555..5779, 5806..5850, 5808..5831, 5831..6118, 5835..6119		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20087	Strand	
Start	5388	End	6575
Name	OJ991020_01.0207.C13.o2.tm	Method	TBLASTX:Maize
Start	5784	End	6575
GI	none	Score	111
Exons	5784..5855, 5789..6529, 5856..6575, 6533..6574		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20087	Strand	

Start	5388	End	6575
Name	OJ991020_01.0207.C13.o3.ts	Method	TBLASTX:Soybean
Start	5964	End	6425
GI	none	Score	290
Exons	5964..6425, 5984..6154, 5988..6173, 6197..6274		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20087	Strand	
Start	5388	End	6575
Name	OJ991020_01.0207.C13.o1.tc	Method	TBLASTX:Cress
Start	6000	End	6422
GI	none	Score	210
Exons	6000..6422		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20087	Strand	
Start	5388	End	6575
Name	OJ991020_01.0207.C13.o3.tw	Method	TBLASTX:Wheat
Start	6207	End	6551
GI	none	Score	128
Exons	6207..6296, 6207..6293, 6285..6449, 6296..6445, 6471..6551		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20088	Strand	
Start	6642	End	7517
Name	OJ991020_01.0207.C13.o5.tm	Method	TBLASTX:Maize
Start	6642	End	6968
GI	none	Score	439
Exons	6642..6968, 6643..6966		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20088	Strand	
Start	6642	End	7517
Name	OJ991020_01.0207.C13.o1.ts	Method	TBLASTX:Soybean
Start	6676	End	7271
GI	5509260	Score	204
Exons	6676..6891, 6901..7254, 6903..7271		
GI Descrip.	-		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20088	Strand	
Start	6642	End	7517
Name	OJ991020_01.0207.C13.o2.tw	Method	TBLASTX:Wheat
Start	6802	End	7257
GI	none	Score	67
Exons	6802..6891, 6864..6923, 6885..6920, 6912..7067, 6920..7255, 6920..7126, 6922..7257, 6924..7256		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20088	Strand	
Start	6642	End	7517
Name	OJ991020_01.0207.C13.o2.tc	Method	TBLASTX:Cress
Start	6886	End	7164
GI	none	Score	188
Exons	6886..7164		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13

Gene No.	20088	Strand	
Start	6642	End	7517
Name	OJ991020_01.0207.C13.o3.tm	Method	TBLASTX:Maize
Start	7086	End	7517
GI	none	Score	236
Exons	7086..7271, 7087..7254, 7088..7261, 7250..7516, 7254..7517		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20089	Strand	
Start	7449	End	8335
Name	OJ991020_01.0207.C13.o5.tw	Method	TBLASTX:Wheat
Start	7449	End	7865
GI	none	Score	83
Exons	7449..7601, 7629..7865		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20089	Strand	
Start	7449	End	8335
Name	OJ991020_01.0207.C13.o1.tm	Method	TBLASTX:Maize
Start	7632	End	8335
GI	none	Score	934
Exons	7632..8327, 7639..8085, 7640..8323, 8123..8335, 8224..8325		

Seq. No.	9380	Seq. ID	OJ991020_01.0207.C13
Gene No.	20089	Strand	
Start	7449	End	8335
Name	OJ991020_01.0207.C13.o2.ts	Method	TBLASTX:Soybean
Start	7650	End	8291
GI	none	Score	292
Exons	7650..8039, 7874..8038, 8067..8291		

Seq. No.	9381	Seq. ID	OJ991020_01.0207.C14
Gene No.	20090	Strand	+
Start	844	End	4586
Name	OJ991020_01.0207.C14.o1.gs	Method	GENSCAN
Start	844	End	4586
GI	none	Score	.47
Exons	844..910, 1265..1420, 1887..2030, 2413..2594, 2688..2996, 3114..3338, 3458..3515, 4455..4586		

Seq. No.	9382	Seq. ID	OJ991020_01.0207.C15
Gene No.	20091	Strand	+
Start	241	End	2534
Name	OJ991020_01.0207.C15.o1.gs	Method	GENSCAN
Start	241	End	1951
GI	none	Score	.47
Exons	241..387, 1006..1417, 1448..1951		

Seq. No.	9382	Seq. ID	OJ991020_01.0207.C15
Gene No.	20091	Strand	+
Start	241	End	2534
Name	OJ991020_01.0207.C15.o1.tw	Method	TBLASTX:Wheat
Start	254	End	577
GI	none	Score	319
Exons	254..577, 270..431, 289..573		

Seq. No.	9382	Seq. ID	OJ991020_01.0207.C15

Gene No.	20091	Strand	+
Start	241	End	2534
Name	OJ991020_01.0207.C15.o1.np	Method	AAT/NAP
Start	1328	End	1732
GI	2462640	Score	548
Exons	1328..1732		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	9382	Seq. ID	OJ991020_01.0207.C15
Gene No.	20091	Strand	+
Start	241	End	2534
Name	OJ991020_01.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	1364	End	2275
GI	none	Score	445
Exons	1364..2137, 1525..1791, 1831..1866, 2168..2275		

Seq. No.	9382	Seq. ID	OJ991020_01.0207.C15
Gene No.	20091	Strand	+
Start	241	End	2534
Name	OJ991020_01.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	1913	End	2477
GI	none	Score	57
Exons	1913..1969, 2015..2143, 2168..2263, 2340..2477		

Seq. No.	9382	Seq. ID	OJ991020_01.0207.C15
Gene No.	20091	Strand	+
Start	241	End	2534
Name	OJ991020_01.0207.C15.o2.tw	Method	TBLASTX:Wheat
Start	2321	End	2534
GI	none	Score	206
Exons	2321..2533, 2322..2534		

Seq. No.	9383	Seq. ID	OJ991020_01.0207.C17
Gene No.	20092	Strand	+
Start	272	End	568
Name	OJ991020_01.0207.C17.o1.gs	Method	GENSCAN
Start	272	End	568
GI	none	Score	.97
Exons	272..369, 463..568		

Seq. No.	9383	Seq. ID	OJ991020_01.0207.C17
Gene No.	20093	Strand	+
Start	1215	End	1800
Name	OJ991020_01.0207.C17.o2.gs	Method	GENSCAN
Start	1215	End	1800
GI	none	Score	.92
Exons	1215..1284, 1723..1800		

Seq. No.	9383	Seq. ID	OJ991020_01.0207.C17
Gene No.	20094	Strand	-
Start	1	End	1805
Name	OJ991020_01.0207.C17.o1.np	Method	AAT/NAP
Start	1	End	1805
GI	119110	Score	259
Exons	1..355, 1084..1805		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi|73987|pir||QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8)		

gi|1334880|emb|CAA24816.1| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]

Seq. No.	9384	Seq. ID	OJ991020_01.0207.C18
Gene No.	20095	Strand	+
Start	3721	End	3837
Name	OJ991020_01.0207.C18.o1.gp	Method	AAT/GAP
Start	3721	End	3837
GI	uC-osflcyp088b12b1	Score	141
Exons	3721..3837		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9384	Seq. ID	OJ991020_01.0207.C18
Gene No.	20096	Strand	-
Start	2707	End	11878
Name	OJ991020_01.0207.C18.o1.np	Method	AAT/NAP
Start	2707	End	10117
GI	6449046	Score	39
Exons	2707..2768, 8882..9039, 9994..10117		
GI Descrip.	(AF180942) downy mildew resistance protein RPP5 [Arabidopsis thaliana]		

Seq. No.	9384	Seq. ID	OJ991020_01.0207.C18
Gene No.	20096	Strand	-
Start	2707	End	11878
Name	OJ991020_01.0207.C18.o2.gs	Method	GENSCAN
Start	6736	End	11878
GI	none	Score	.8
Exons	6736..6774, 7411..7426, 8553..11620, 11870..11878		

Seq. No.	9385	Seq. ID	OJ991020_01.0207.C20
Gene No.	20097	Strand	+
Start	128	End	254
Name	OJ991020_01.0207.C20.o1.gp	Method	AAT/GAP
Start	128	End	254
GI	35458_1.R1084	Score	112
Exons	128..254		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	9385	Seq. ID	OJ991020_01.0207.C20
Gene No.	20098	Strand	+
Start	1384	End	1823
Name	OJ991020_01.0207.C20.o2.gs	Method	GENSCAN
Start	1384	End	1823
GI	none	Score	.63
Exons	1384..1462, 1645..1823		

Seq. No.	9385	Seq. ID	OJ991020_01.0207.C20
Gene No.	20099	Strand	-
Start	3568	End	3969
Name	OJ991020_01.0207.C20.o3.gs	Method	GENSCAN
Start	3568	End	3969
GI	none	Score	.68
Exons	3568..3672, 3892..3969		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20100	Strand	+
Start	10302	End	10445
Name	OJ991020_01.0207.C21.o2.gp	Method	AAT/GAP
Start	10302	End	10445
GI	LIB3431-038-P1-N1-F4	Score	272
Exons	10302..10445		
GI Descrip.	'3928097 3.0e-16 (AC005770) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20101	Strand	-
Start	1	End	6745
Name	OJ991020_01.0207.C21.o1.gp	Method	AAT/GAP
Start	1	End	571
GI	57835_1.R1084	Score	923
Exons	1..320, 401..571		
GI Descrip.	'6056191/gb|AAF02808.1|AC009400_4 2.0e-18 (AC009400) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20101	Strand	-
Start	1	End	6745
Name	OJ991020_01.0207.C21.o1.gs	Method	GENSCAN
Start	236	End	6745
GI	none	Score	.94
Exons	236..318, 401..575, 879..1064, 1676..1786, 1865..2077, 2633..2740, 2819..2960, 3042..4138, 6473..6745		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20101	Strand	-
Start	1	End	6745
Name	OJ991020_01.0207.C21.o1.np	Method	AAT/NAP
Start	268	End	3084
GI	6056191	Score	846
Exons	268..610, 905..1064, 1676..1786, 1865..2077, 2633..2740, 2819..2960, 3042..3084		
GI Descrip.	(AC009400) putative RNA binding protein [Arabidopsis thaliana]		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-
Start	7860	End	8646
Name	OJ991020_01.0207.C21.o1.tc	Method	TBLASTX:Cress
Start	372	End	2986
GI	none	Score	48
Exons	372..599, 384..488, 385..570, 423..620, 425..577, 426..572, 513..611, 894..1067, 901..1068, 1676..1792, 1677..1787, 1678..1794, 1840..2010, 1865..2086, 1935..2075, 2630..2686, 2816..2905, 2819..2986		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-
Start	7860	End	8646
Name	OJ991020_01.0207.C21.o2.tm	Method	TBLASTX:Maize
Start	384	End	2966
GI	none	Score	139
Exons	384..599, 394..570, 423..620, 426..608, 894..1067, 895..1068,		

926..1069, 934..1068, 1676..1792, 1676..1744, 1865..2086, 1874..2095, 1953..2075, 2645..2743, 2648..2743, 2814..2966, 2819..2962, 2819..2947

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-
Start	7860	End	8646
Name	OJ991020_01.0207.C21.o2.ts	Method	TBLASTX:Soybean
Start	411	End	2995
GI	none	Score	67
Exons	411..578, 1865..2095, 2633..2740, 2633..2743, 2814..2969, 2819..2962, 2822..2995, 2829..2966		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-
Start	7860	End	8646
Name	OJ991020_01.0207.C21.o3.ts	Method	TBLASTX:Soybean
Start	894	End	1067
GI	none	Score	114
Exons	894..1067, 925..1065		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-
Start	7860	End	8646
Name	OJ991020_01.0207.C21.o2.gs	Method	GENSCAN
Start	7860	End	8598
GI	none	Score	.65
Exons	7860..8088, 8190..8330, 8429..8598		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-
Start	7860	End	8646
Name	OJ991020_01.0207.C21.o1.tm	Method	TBLASTX:Maize
Start	7892	End	8344
GI	none	Score	237
Exons	7892..8116, 7893..8117, 8116..8202, 8117..8203, 8209..8340, 8217..8339, 8279..8344		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-
Start	7860	End	8646
Name	OJ991020_01.0207.C21.o1.tw	Method	TBLASTX:Wheat
Start	7895	End	8283
GI	none	Score	113
Exons	7895..8017, 7899..8018, 8028..8117, 8030..8107, 8120..8209, 8125..8178, 8223..8282, 8224..8283		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-
Start	7860	End	8646
Name	OJ991020_01.0207.C21.o1.ts	Method	TBLASTX:Soybean
Start	8052	End	8643
GI	none	Score	70
Exons	8052..8129, 8230..8643, 8241..8642		

Seq. No.	9386	Seq. ID	OJ991020_01.0207.C21
Gene No.	20102	Strand	-

Start	7860	End	8646
Name	OJ991020_01.0207.C21.o3.tm	Method	TBLASTX:Maize
Start	8350	End	8646
GI	none	Score	289
Exons	8350..8646, 8350..8634		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20103	Strand	+
Start	4450	End	7141
Name	OJ991020_01.0207.C22.o2.gs	Method	GENSCAN
Start	4450	End	7049
GI	none	Score	.47
Exons	4450..4498, 4519..7049		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20103	Strand	+
Start	4450	End	7141
Name	OJ991020_01.0207.C22.o2.np	Method	AAT/NAP
Start	5595	End	7141
GI	6815062	Score	1441
Exons	5595..7141		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o1.gp	Method	AAT/GAP
Start	1	End	1076
GI	LIB3431-038-P1-N1-F4	Score	254
Exons	1..41, 881..943, 1028..1076		
GI Descrip.	'3928097 3.0e-16 (AC005770) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o3.tm	Method	TBLASTX:Maize
Start	1	End	1334
GI	none	Score	70
Exons	1..42, 3..44, 857..940, 857..949, 858..950, 877..951, 975..1076, 1015..1077, 1026..1082, 1027..1077, 1028..1078, 1110..1325, 1150..1326, 1173..1334, 1180..1329		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o1.np	Method	AAT/NAP
Start	1	End	6042
GI	6598488	Score	936
Exons	1..41, 881..943, 1028..1071, 1175..1237, 1951..2126, 2216..2435, 2702..2882, 3307..3330, 3429..3723, 5974..6042		
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-

Start	1	End	6203
Name	OJ991020_01.0207.C22.o1.gs	Method	GENSCAN
Start	362	End	4184
GI	none	Score	.72
Exons	362..417, 1175..1284, 2216..2435, 3307..3330, 3422..3643, 4181..4184		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o2.ts	Method	TBLASTX:Soybean
Start	899	End	2296
GI	none	Score	125
Exons	899..937, 1034..1072, 1260..1322, 1953..2114, 1985..2134, 2222..2296, 2224..2295		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o1.tc	Method	TBLASTX:Cress
Start	1266	End	2437
GI	none	Score	94
Exons	1266..1322, 1988..2134, 1989..2102, 2218..2400, 2219..2437, 2384..2434		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o2.gp	Method	AAT/GAP
Start	1538	End	2238
GI	LIB3431-038-P1-K1-F4	Score	725
Exons	1538..1772, 1991..2126, 2216..2238		
GI Descrip.	'3928097 6.0e-17 (AC005770) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o2.tm	Method	TBLASTX:Maize
Start	1988	End	3470
GI	none	Score	163
Exons	1988..2125, 1989..2126, 1989..2126, 1990..2127, 2216..2437, 2218..2400, 2378..2440, 2691..2831, 2703..2894, 2713..2895, 3426..3470		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o3.gp	Method	AAT/GAP
Start	2248	End	2900
GI	LIB3477-010-P1-K1-F12	Score	696
Exons	2248..2435, 2702..2900		
GI Descrip.	'3402690 2.0e-46 (AC004697) hypothetical protein, 3'' partial [Arabidopsis thaliana]'		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-

Start	1	End	6203
Name	OJ991020_01.0207.C22.o1.ts	Method	TBLASTX:Soybean
Start	2703	End	2894
GI	none	Score	164
Exons	2703..2894, 2704..2883		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20104	Strand	-
Start	1	End	6203
Name	OJ991020_01.0207.C22.o1.tm	Method	TBLASTX:Maize
Start	5637	End	6203
GI	none	Score	139
Exons	5637..5786, 5813..6181, 5814..6203		

Seq. No.	9387	Seq. ID	OJ991020_01.0207.C22
Gene No.	20105	Strand	
Start	6330	End	6608
Name	OJ991020_01.0207.C22.o4.tm	Method	TBLASTX:Maize
Start	6330	End	6608
GI	none	Score	190
Exons	6330..6608, 6386..6511		

Seq. No.	9388	Seq. ID	OJ991020_01.0207.C23
Gene No.	20106	Strand	-
Start	1	End	955
Name	OJ991020_01.0207.C23.o1.gp	Method	AAT/GAP
Start	1	End	955
GI	342_1.R1084	Score	1225
Exons	1..425, 535..639, 758..955		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9388	Seq. ID	OJ991020_01.0207.C23
Gene No.	20106	Strand	-
Start	1	End	955
Name	OJ991020_01.0207.C23.o2.gp	Method	AAT/GAP
Start	88	End	955
GI	342_1.R1084	Score	1063
Exons	88..425, 535..639, 758..955		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9389	Seq. ID	OJ991110_01.0218.C2
Gene No.	20107	Strand	+
Start	1	End	134
Name	OJ991110_01.0218.C2.o1.np	Method	AAT/NAP
Start	1	End	134
GI	5803259	Score	111
Exons	1..134		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	9390	Seq. ID	OJ991110_01.0218.C3
Gene No.	20108	Strand	+
Start	1	End	1640
Name	OJ991110_01.0218.C3.o1.np	Method	AAT/NAP
Start	1	End	1601
GI	5852180	Score	560

Exons	1..37, 1017..1132, 1184..1601		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	9390	Seq. ID	OJ991110_01.0218.C3
Gene No.	20108	Strand	+
Start	1	End	1640
Name	OJ991110_01.0218.C3.o1.gs	Method	GENSCAN
Start	1010	End	1640
GI	none	Score	.63
Exons	1010..1640		
Seq. No.	9390	Seq. ID	OJ991110_01.0218.C3
Gene No.	20109	Strand	-
Start	1	End	260
Name	OJ991110_01.0218.C3.o1.gp	Method	AAT/GAP
Start	1	End	260
GI	uC-osflcyp033a04b1	Score	500
Exons	1..260		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o1.gs	Method	GENSCAN
Start	131	End	2011
GI	none	Score	.85
Exons	131..2011		
Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o1.np	Method	AAT/NAP
Start	134	End	2128
GI	4680179	Score	2860
Exons	134..2128		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o4.tw	Method	TBLASTX:Wheat
Start	179	End	512
GI	none	Score	112
Exons	179..511, 200..508, 243..512		
Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	359	End	958
GI	none	Score	257
Exons	359..799, 375..800, 797..958, 804..950, 806..955		
Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128

Name	OJ991110_01.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	512	End	1138
GI	none	Score	281
Exons	512..1138, 513..1082		

Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o3.tm	Method	TBLASTX:Maize
Start	1007	End	1299
GI	none	Score	206
Exons	1007..1297, 1011..1298, 1138..1299		

Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	1097	End	1357
GI	none	Score	148
Exons	1097..1357, 1098..1352		

Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	1121	End	1438
GI	none	Score	80
Exons	1121..1264, 1122..1262, 1265..1438		

Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o2.tw	Method	TBLASTX:Wheat
Start	1145	End	1712
GI	none	Score	340
Exons	1145..1681, 1146..1712		

Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	1703	End	2066
GI	none	Score	171
Exons	1703..2065, 1712..2065, 1716..2066		

Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o3.tw	Method	TBLASTX:Wheat
Start	1715	End	2107
GI	none	Score	341
Exons	1715..2107, 1716..2105		

Seq. No.	9391	Seq. ID	OJ991110_01.0218.C4
Gene No.	20110	Strand	-
Start	131	End	2128
Name	OJ991110_01.0218.C4.o2.ts	Method	TBLASTX:Soybean

Start	1886	End	2116
GI	none	Score	67
Exons	1886..2116, 1986..2108		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20111	Strand	+
Start	4287	End	4613
Name	OJ991110_01.0218.C5.o3.gs	Method	GENSCAN
Start	4287	End	4613
GI	none	Score	1
Exons	4287..4613		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20112	Strand	-
Start	57	End	1008
Name	OJ991110_01.0218.C5.o1.gs	Method	GENSCAN
Start	57	End	1008
GI	none	Score	.43
Exons	57..1008		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20113	Strand	-
Start	1255	End	3335
Name	OJ991110_01.0218.C5.o2.gs	Method	GENSCAN
Start	1255	End	3156
GI	none	Score	.68
Exons	1255..1869, 2000..2064, 3081..3156		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20113	Strand	-
Start	1255	End	3335
Name	OJ991110_01.0218.C5.o1.gp	Method	AAT/GAP
Start	2953	End	3335
GI	uC-osf1cyp033a04b1	Score	716
Exons	2953..3335		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o7.tw	Method	TBLASTX:Wheat
Start	166	End	535
GI	none	Score	112
Exons	166..534, 341..535		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o6.tm	Method	TBLASTX:Maize
Start	229	End	534
GI	none	Score	90
Exons	229..534, 404..520		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901

Name	OJ991110_01.0218.C5.o9.tw	Method	TBLASTX:Wheat
Start	569	End	828
GI	none	Score	105
Exons	569..766, 571..768, 781..828		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o2.tw	Method	TBLASTX:Wheat
Start	1245	End	6883
GI	none	Score	321
Exons	1245..1307, 6316..6852, 6317..6883		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o4.gs	Method	GENSCAN
Start	5302	End	8901
GI	none	Score	.87
Exons	5302..8160, 8175..8209, 8628..8901		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o1.np	Method	AAT/NAP
Start	5305	End	8895
GI	4680179	Score	4644
Exons	5305..8706, 8740..8895		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o6.tw	Method	TBLASTX:Wheat
Start	5350	End	5683
GI	none	Score	139
Exons	5350..5682, 5371..5679, 5414..5683		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	5530	End	6129
GI	none	Score	249
Exons	5530..5970, 5546..5971, 5968..6129, 5975..6121, 5977..6126		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o1.tw	Method	TBLASTX:Wheat
Start	5683	End	6309
GI	none	Score	268
Exons	5683..6309, 5684..6253		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901

Name	OJ991110_01.0218.C5.o4.tm	Method	TBLASTX:Maize
Start	6178	End	6470
GI	none	Score	208
Exons	6178..6468, 6182..6469, 6282..6470		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o2.ts	Method	TBLASTX:Soybean
Start	6267	End	6528
GI	none	Score	153
Exons	6267..6449, 6268..6528, 6269..6523		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	6292	End	6657
GI	none	Score	85
Exons	6292..6435, 6293..6433, 6436..6609, 6622..6657		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	6874	End	7237
GI	none	Score	172
Exons	6874..7236, 6883..7236, 6887..7237		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o3.tw	Method	TBLASTX:Wheat
Start	6886	End	7308
GI	none	Score	367
Exons	6886..7308, 6887..7276		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o3.ts	Method	TBLASTX:Soybean
Start	7057	End	7302
GI	none	Score	89
Exons	7057..7302, 7058..7285		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o3.tm	Method	TBLASTX:Maize
Start	7273	End	7773
GI	none	Score	53
Exons	7273..7587, 7316..7366, 7394..7522, 7594..7773, 7619..7765		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o5.tw	Method	TBLASTX:Wheat

Start	7309	End	7611
GI	none	Score	295
Exons	7309..7611, 7325..7609		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	7324	End	7719
GI	none	Score	220
Exons	7324..7683, 7325..7615, 7643..7681, 7687..7719, 7688..7717		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o4.tw	Method	TBLASTX:Wheat
Start	7660	End	8038
GI	none	Score	218
Exons	7660..8037, 7703..8038		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o5.tm	Method	TBLASTX:Maize
Start	7841	End	8130
GI	none	Score	137
Exons	7841..8032, 7843..8034, 7843..8130		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o8.tw	Method	TBLASTX:Wheat
Start	8242	End	8680
GI	none	Score	69
Exons	8242..8283, 8311..8424, 8312..8425, 8470..8679, 8471..8680		

Seq. No.	9392	Seq. ID	OJ991110_01.0218.C5
Gene No.	20114	Strand	-
Start	5302	End	8901
Name	OJ991110_01.0218.C5.o7.tm	Method	TBLASTX:Maize
Start	8362	End	8715
GI	none	Score	74
Exons	8362..8715, 8546..8713		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20115	Strand	+
Start	2848	End	4329
Name	OJ991110_01.0218.C6.o2.gs	Method	GENSCAN
Start	2848	End	4329
GI	none	Score	.93
Exons	2848..2890, 3050..4329		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20116	Strand	+
Start	8026	End	15080
Name	OJ991110_01.0218.C6.o5.gs	Method	GENSCAN
Start	8026	End	15080

GI	none	Score	.68
Exons	8026..8130, 9375..9948, 9992..10128, 10515..15080		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20116	Strand	+
Start	8026	End	15080
Name	OJ991110_01.0218.C6.o1.np	Method	AAT/NAP
Start	10515	End	15077
GI	4680179	Score	7898
Exons	10515..15077		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20117	Strand	-
Start	1677	End	2058
Name	OJ991110_01.0218.C6.o1.gp	Method	AAT/GAP
Start	1677	End	2058
GI	uC-osflcyp033a04b1	Score	647
Exons	1677..2058		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20118	Strand	-
Start	4975	End	6266
Name	OJ991110_01.0218.C6.o3.gs	Method	GENSCAN
Start	4975	End	6266
GI	none	Score	.97
Exons	4975..5524, 5530..5700, 6166..6266		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20119	Strand	-
Start	6912	End	7218
Name	OJ991110_01.0218.C6.o4.gs	Method	GENSCAN
Start	6912	End	7218
GI	none	Score	.53
Exons	6912..7077, 7082..7218		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20120	Strand	-
Start	7470	End	7542
Name	OJ991110_01.0218.C6.o2.gp	Method	AAT/GAP
Start	7470	End	7542
GI	1631463	Score	81
Exons	7470..7542		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o6.tw	Method	TBLASTX:Wheat
Start	207	End	8085
GI	none	Score	139
Exons	207..401, 208..348, 489..962, 520..780, 802..963, 7960..8085		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o8.tw	Method	TBLASTX:Wheat
Start	10778	End	11141
GI	none	Score	308
Exons	10778..10882, 10782..11141, 10907..11140		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o6.tm	Method	TBLASTX:Maize
Start	11022	End	11318
GI	none	Score	210
Exons	11022..11318, 11022..11306, 11039..11209		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o9.tw	Method	TBLASTX:Wheat
Start	11661	End	12077
GI	none	Score	159
Exons	11661..11855, 11711..11809, 11895..12077, 11921..12076		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o4.tw	Method	TBLASTX:Wheat
Start	12240	End	12722
GI	none	Score	541
Exons	12240..12722, 12344..12679, 12354..12713		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o5.tm	Method	TBLASTX:Maize
Start	12252	End	12541
GI	none	Score	321
Exons	12252..12539, 12353..12541		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o3.tm	Method	TBLASTX:Maize
Start	12609	End	13109
GI	none	Score	153
Exons	12609..12788, 12774..13109, 12860..12991, 13016..13066		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	12663	End	13058
GI	none	Score	57
Exons	12663..12695, 12663..12722, 12695..12742, 12699..13058, 12699..12842, 12794..13057		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o5.tw	Method	TBLASTX:Wheat
Start	12771	End	13073
GI	none	Score	402
Exons	12771..13073, 12771..13064, 12791..13072		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o2.tw	Method	TBLASTX:Wheat
Start	13074	End	13583
GI	none	Score	628
Exons	13074..13583, 13106..13417, 13152..13499		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o3.ts	Method	TBLASTX:Soybean
Start	13080	End	13325
GI	none	Score	203
Exons	13080..13325		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	13145	End	13511
GI	none	Score	488
Exons	13145..13414, 13146..13499, 13200..13511		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o3.tw	Method	TBLASTX:Wheat
Start	13587	End	14066
GI	none	Score	587
Exons	13587..14066, 13620..13946, 13658..14065		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	13773	End	14090
GI	none	Score	89
Exons	13773..13946, 13947..14090, 13949..14089		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	13854	End	14114
GI	none	Score	299
Exons	13854..14114, 13859..14113		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6

Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o4.tm	Method	TBLASTX:Maize
Start	13913	End	14204
GI	none	Score	389
Exons	13913..14200, 13914..14204		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	14073	End	14699
GI	none	Score	725
Exons	14073..14699, 14075..14698		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	14253	End	14852
GI	none	Score	226
Exons	14253..14414, 14261..14407, 14412..14852, 14414..14839		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o7.tw	Method	TBLASTX:Wheat
Start	14699	End	15067
GI	none	Score	374
Exons	14699..14752, 14700..15032, 14727..14807, 14792..14908, 14871..15011, 15014..15067		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o7.tm	Method	TBLASTX:Maize
Start	14856	End	15053
GI	none	Score	197
Exons	14856..15053		

Seq. No.	9393	Seq. ID	OJ991110_01.0218.C6
Gene No.	20121	Strand	-
Start	15348	End	15642
Name	OJ991110_01.0218.C6.o2.np	Method	AAT/NAP
Start	15348	End	15642
GI	6721559	Score	142
Exons	15348..15489, 15525..15642		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	9394	Seq. ID	OJ991110_01.0218.C7
Gene No.	20122	Strand	+
Start	1181	End	1270
Name	OJ991110_01.0218.C7.o2.np	Method	AAT/NAP
Start	1181	End	1270
GI	4680183	Score	122

Exons	1181..1270		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9394	Seq. ID	OJ991110_01.0218.C7
Gene No.	20123	Strand	-
Start	1	End	1148
Name	OJ991110_01.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	1148
GI	6721561	Score	135
Exons	1..20, 1058..1148		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9394	Seq. ID	OJ991110_01.0218.C7
Gene No.	20123	Strand	-
Start	1	End	1148
Name	OJ991110_01.0218.C7.o1.gp	Method	AAT/GAP
Start	442	End	553
GI	uC-osf1cyp088b12b1	Score	149
Exons	442..553		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9394	Seq. ID	OJ991110_01.0218.C7
Gene No.	20124	Strand	-
Start	1665	End	1745
Name	OJ991110_01.0218.C7.o2.gp	Method	AAT/GAP
Start	1665	End	1745
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	1665..1745		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9395	Seq. ID	OJ991110_01.0218.C8
Gene No.	20125	Strand	-
Start	93	End	3000
Name	OJ991110_01.0218.C8.o1.gs	Method	GENSCAN
Start	93	End	3000
GI	none	Score	.71
Exons	93..510, 563..864, 1296..1324, 1548..1603, 2376..2709, 2793..3000		

Seq. No.	9396	Seq. ID	OJ991110_01.0218.C9
Gene No.	20126	Strand	-
Start	22	End	121
Name	OJ991110_01.0218.C9.o1.gs	Method	GENSCAN
Start	22	End	121
GI	none	Score	.85
Exons	22..121		

Seq. No.	9397	Seq. ID	OJ991110_01.0218.C10
Gene No.	20127	Strand	-
Start	1	End	1061
Name	OJ991110_01.0218.C10.o1.np	Method	AAT/NAP

Start	1	End	1061
GI	5852180	Score	544
Exons	1..21, 503..916, 968..1061		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20128	Strand	+
Start	171	End	3629
Name	OJ991110_01.0218.C11.o1.np	Method	AAT/NAP
Start	171	End	3626
GI	6498441	Score	4521
Exons	171..466, 650..784, 959..1682, 1854..3251, 3345..3626		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20128	Strand	+
Start	171	End	3629
Name	OJ991110_01.0218.C11.o1.gs	Method	GENSCAN
Start	204	End	3629
GI	none	Score	.82
Exons	204..1682, 1833..2593, 2813..3629		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o2.tw	Method	TBLASTX:Wheat
Start	203	End	563
GI	none	Score	453
Exons	203..556, 204..563, 204..557		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	231	End	587
GI	none	Score	371
Exons	231..587, 266..577, 471..587		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o2.tm	Method	TBLASTX:Maize
Start	615	End	998
GI	none	Score	360
Exons	615..998, 650..979		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o1.tw	Method	TBLASTX:Wheat
Start	671	End	1091
GI	none	Score	490
Exons	671..1066, 672..1091, 675..1079		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11

Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	750	End	1121
GI	none	Score	275
Exons	750..1121, 767..910		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o4.tw	Method	TBLASTX:Wheat
Start	1530	End	1988
GI	none	Score	221
Exons	1530..1751, 1554..1775, 1619..1795, 1839..1988, 1850..1987		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o2.ts	Method	TBLASTX:Soybean
Start	1677	End	2243
GI	5666795	Score	68
Exons	1677..1775, 1851..1988, 2004..2243		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o6.tw	Method	TBLASTX:Wheat
Start	2004	End	2303
GI	none	Score	202
Exons	2004..2192, 2028..2303		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o3.tm	Method	TBLASTX:Maize
Start	2496	End	2858
GI	none	Score	360
Exons	2496..2819, 2525..2806, 2616..2828, 2811..2858		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o3.tw	Method	TBLASTX:Wheat
Start	2633	End	3014
GI	none	Score	370
Exons	2633..2983, 2634..3014		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o5.tw	Method	TBLASTX:Wheat
Start	3015	End	3614
GI	none	Score	260
Exons	3015..3299, 3015..3431, 3423..3464, 3491..3613, 3492..3614		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11

Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o4.tm	Method	TBLASTX:Maize
Start	3485	End	3629
GI	none	Score	181
Exons	3485..3610, 3486..3629		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o2.gs	Method	GENSCAN
Start	4249	End	6000
GI	none	Score	.77
Exons	4249..4978, 5114..5500, 5507..6000		

Seq. No.	9398	Seq. ID	OJ991110_01.0218.C11
Gene No.	20129	Strand	-
Start	4249	End	6099
Name	OJ991110_01.0218.C11.o2.np	Method	AAT/NAP
Start	4252	End	6099
GI	6907089	Score	2060
Exons	4252..6099		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9399	Seq. ID	OJ991110_01.0218.C12
Gene No.	20130	Strand	+
Start	75	End	415
Name	OJ991110_01.0218.C12.o1.gs	Method	GENSCAN
Start	75	End	415
GI	none	Score	.71
Exons	75..106, 245..415		

Seq. No.	9399	Seq. ID	OJ991110_01.0218.C12
Gene No.	20131	Strand	-
Start	1	End	370
Name	OJ991110_01.0218.C12.o1.np	Method	AAT/NAP
Start	1	End	370
GI	6907089	Score	574
Exons	1..370		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9400	Seq. ID	OJ991110_01.0218.C13
Gene No.	20132	Strand	+
Start	429	End	1637
Name	OJ991110_01.0218.C13.o1.gs	Method	GENSCAN
Start	429	End	1637
GI	none	Score	.72
Exons	429..605, 1575..1637		

Seq. No.	9400	Seq. ID	OJ991110_01.0218.C13
Gene No.	20132	Strand	+
Start	429	End	1637
Name	OJ991110_01.0218.C13.o1.gp	Method	AAT/GAP
Start	630	End	811
GI	61605_3.R1084	Score	286
Exons	630..811		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis		

thaliana]'

Seq. No.	9400	Seq. ID	OJ991110_01.0218.C13
Gene No.	20133	Strand	-
Start	1	End	638
Name	OJ991110_01.0218.C13.o1.np	Method	AAT/NAP
Start	1	End	638
GI	5922623	Score	70
Exons	1..47, 534..638		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9401	Seq. ID	OJ991110_01.0218.C14
Gene No.	20134	Strand	+
Start	6306	End	6715
Name	OJ991110_01.0218.C14.o1.gp	Method	AAT/GAP
Start	6256	End	6668
GI	none	Score	771
Exons	6256..6668		

Seq. No.	9401	Seq. ID	OJ991110_01.0218.C14
Gene No.	20134	Strand	+
Start	6306	End	6715
Name	OJ991110_01.0218.C14.o2.gs	Method	GENSCAN
Start	6306	End	6715
GI	none	Score	.6
Exons	6306..6715		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20135	Strand	+
Start	1610	End	2462
Name	OJ991110_01.0218.C15.o1.gs	Method	GENSCAN
Start	1610	End	2462
GI	none	Score	.67
Exons	1610..2177, 2446..2462		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20135	Strand	+
Start	1610	End	2462
Name	OJ991110_01.0218.C15.o1.gp	Method	AAT/GAP
Start	1681	End	2082
GI	LIB3433-016-Q6-K6-F12	Score	681
Exons	1681..2082		
GI Descrip.	'5730046/ref|NM_006632.1|SLC17A3| 2.0e-09 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA >gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20136	Strand	-
Start	3999	End	9193
Name	OJ991110_01.0218.C15.o1.tm	Method	TBLASTX:Maize
Start	3697	End	4127
GI	none	Score	157
Exons	3697..3741, 3747..3962, 3748..3975, 3748..3915, 3750..3971, 4030..4122, 4032..4127		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20136	Strand	-
Start	3999	End	9193
Name	OJ991110_01.0218.C15.o1.np	Method	AAT/NAP
Start	3927	End	9193
GI	6815097	Score	2797
Exons	3927..4693, 4832..6513, 6628..7240, 7800..8096, 9167..9193		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20136	Strand	-
Start	3999	End	9193
Name	OJ991110_01.0218.C15.o2.gs	Method	GENSCAN
Start	3999	End	5281
GI	none	Score	.7
Exons	3999..4615, 4675..4816, 4967..5059, 5204..5281		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20136	Strand	-
Start	3999	End	9193
Name	OJ991110_01.0218.C15.o2.ts	Method	TBLASTX:Soybean
Start	4074	End	4418
GI	none	Score	91
Exons	4074..4304, 4299..4418		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20136	Strand	-
Start	3999	End	9193
Name	OJ991110_01.0218.C15.o2.tm	Method	TBLASTX:Maize
Start	4128	End	4418
GI	none	Score	116
Exons	4128..4418, 4129..4284		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20136	Strand	-
Start	3999	End	9193
Name	OJ991110_01.0218.C15.o1.ts	Method	TBLASTX:Soybean
Start	4863	End	5308
GI	5509260	Score	83
Exons	4863..4943, 4871..4942, 4970..5308, 5102..5305		
GI Descrip.	-		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20136	Strand	-
Start	3999	End	9193
Name	OJ991110_01.0218.C15.o3.gs	Method	GENSCAN
Start	5951	End	6871
GI	none	Score	.88
Exons	5951..6107, 6632..6758, 6841..6871		

Seq. No.	9402	Seq. ID	OJ991110_01.0218.C15
Gene No.	20136	Strand	-
Start	3999	End	9193
Name	OJ991110_01.0218.C15.o4.gs	Method	GENSCAN
Start	7612	End	8104

GI	none	Score	.5
Exons	7612..7973, 8003..8104		

Seq. No.	9403	Seq. ID	OJ991110_01.0218.C16
Gene No.	20137	Strand	+
Start	3700	End	6018
Name	OJ991110_01.0218.C16.o2.gs	Method	GENSCAN
Start	3700	End	5758
GI	none	Score	.6
Exons	3700..4239, 5039..5758		

Seq. No.	9403	Seq. ID	OJ991110_01.0218.C16
Gene No.	20137	Strand	+
Start	3700	End	6018
Name	OJ991110_01.0218.C16.o1.gp	Method	AAT/GAP
Start	4202	End	6018
GI	none	Score	1953
Exons	4202..4239, 5039..6018		

Seq. No.	9403	Seq. ID	OJ991110_01.0218.C16
Gene No.	20138	Strand	-
Start	6611	End	8424
Name	OJ991110_01.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	3936	End	4203
GI	none	Score	191
Exons	3936..4196, 3940..4203		

Seq. No.	9403	Seq. ID	OJ991110_01.0218.C16
Gene No.	20138	Strand	-
Start	6611	End	8424
Name	OJ991110_01.0218.C16.o1.tw	Method	TBLASTX:Wheat
Start	3936	End	5161
GI	none	Score	222
Exons	3936..4196, 3961..4203, 5039..5161		

Seq. No.	9403	Seq. ID	OJ991110_01.0218.C16
Gene No.	20138	Strand	-
Start	6611	End	8424
Name	OJ991110_01.0218.C16.o3.gs	Method	GENSCAN
Start	6611	End	8424
GI	none	Score	.73
Exons	6611..6952, 7934..8128, 8307..8424		

Seq. No.	9403	Seq. ID	OJ991110_01.0218.C16
Gene No.	20138	Strand	-
Start	6611	End	8424
Name	OJ991110_01.0218.C16.o2.np	Method	AAT/NAP
Start	6963	End	8140
GI	5042463	Score	123
Exons	6963..7067, 7119..7272, 7933..8140		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	9404	Seq. ID	OJ991110_01.0218.C17
Gene No.	20139	Strand	-
Start	751	End	1412
Name	OJ991110_01.0218.C17.o1.np	Method	AAT/NAP
Start	449	End	697

GI	862343	Score	117
Exons	449..697		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	9404	Seq. ID	OJ991110_01.0218.C17
Gene No.	20139	Strand	-
Start	751	End	1412
Name	OJ991110_01.0218.C17.o1.gs	Method	GENSCAN
Start	751	End	1412
GI	none	Score	.98
Exons	751..933, 1206..1278, 1363..1412		

Seq. No.	9405	Seq. ID	OJ991110_01.0218.C18
Gene No.	20140	Strand	-
Start	94	End	2731
Name	OJ991110_01.0218.C18.o1.np	Method	AAT/NAP
Start	94	End	2731
GI	4680204	Score	967
Exons	94..1220, 1295..2731		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9405	Seq. ID	OJ991110_01.0218.C18
Gene No.	20140	Strand	-
Start	94	End	2731
Name	OJ991110_01.0218.C18.o2.tw	Method	TBLASTX:Wheat
Start	1008	End	1684
GI	none	Score	54
Exons	1008..1229, 1153..1227, 1292..1363, 1604..1684		

Seq. No.	9405	Seq. ID	OJ991110_01.0218.C18
Gene No.	20140	Strand	-
Start	94	End	2731
Name	OJ991110_01.0218.C18.o1.tw	Method	TBLASTX:Wheat
Start	1685	End	2088
GI	none	Score	50
Exons	1685..1780, 1685..1855, 1845..1985, 1850..2086, 1937..2086, 1972..2088		

Seq. No.	9405	Seq. ID	OJ991110_01.0218.C18
Gene No.	20140	Strand	-
Start	94	End	2731
Name	OJ991110_01.0218.C18.o2.np	Method	AAT/NAP
Start	1724	End	2731
GI	4680204	Score	621
Exons	1724..2731		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o1.gp	Method	AAT/GAP
Start	1	End	2875
GI	342_1.R1084	Score	4740
Exons	1..413, 523..620, 750..2875		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o5.gp	Method	AAT/GAP
Start	68	End	2875
GI	342_1.R1084	Score	4619
Exons	68..413, 523..620, 750..2875		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o4.gp	Method	AAT/GAP
Start	74	End	2875
GI	342_1.R1084	Score	4607
Exons	74..413, 523..620, 750..2875		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o1.gs	Method	GENSCAN
Start	828	End	2741
GI	none	Score	.86
Exons	828..2741		
Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o1.tw	Method	TBLASTX:Wheat
Start	903	End	2220
GI	none	Score	52
Exons	903..995, 904..969, 984..1064, 1069..1149, 1077..1217, 1078..1218, 1165..1260, 1197..1256, 1263..1307, 1268..1303, 1302..2219, 1317..1634, 1318..2220		
Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o1.np	Method	AAT/NAP
Start	1387	End	2875
GI	6742729	Score	2407
Exons	1387..2875		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o1.tc	Method	TBLASTX:Cress
Start	1484	End	1936
GI	none	Score	92
Exons	1484..1732, 1485..1634, 1485..1928, 1489..1932, 1495..1932,		

1754..1936

Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o1.tm	Method	TBLASTX:Maize
Start	1863	End	2177
GI	none	Score	66
Exons	1863..2093, 1863..2177, 1891..2166		

Seq. No.	9406	Seq. ID	OJ991110_01.0218.C19
Gene No.	20141	Strand	-
Start	1	End	2875
Name	OJ991110_01.0218.C19.o2.tw	Method	TBLASTX:Wheat
Start	2221	End	2631
GI	none	Score	81
Exons	2221..2307, 2223..2312, 2223..2306, 2339..2551, 2340..2558, 2380..2562, 2568..2630, 2581..2631		

Seq. No.	9407	Seq. ID	OJ991110_01.0218.C20
Gene No.	20142	Strand	-
Start	1	End	662
Name	OJ991110_01.0218.C20.o1.np	Method	AAT/NAP
Start	1	End	662
GI	4680179	Score	1018
Exons	1..662		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9407	Seq. ID	OJ991110_01.0218.C20
Gene No.	20142	Strand	-
Start	1	End	662
Name	OJ991110_01.0218.C20.o2.tw	Method	TBLASTX:Wheat
Start	1	End	251
GI	none	Score	213
Exons	1..249, 3..248, 9..251		

Seq. No.	9407	Seq. ID	OJ991110_01.0218.C20
Gene No.	20142	Strand	-
Start	1	End	662
Name	OJ991110_01.0218.C20.o1.tm	Method	TBLASTX:Maize
Start	9	End	467
GI	none	Score	50
Exons	9..281, 10..60, 88..141, 288..467, 313..459		

Seq. No.	9407	Seq. ID	OJ991110_01.0218.C20
Gene No.	20142	Strand	-
Start	1	End	662
Name	OJ991110_01.0218.C20.o1.gs	Method	GENSCAN
Start	18	End	656
GI	none	Score	.92
Exons	18..656		

Seq. No.	9407	Seq. ID	OJ991110_01.0218.C20
Gene No.	20142	Strand	-
Start	1	End	662
Name	OJ991110_01.0218.C20.o1.ts	Method	TBLASTX:Soybean
Start	18	End	413

GI	none	Score	204
Exons	18..377, 19..309, 337..375, 381..413, 382..411		

Seq. No.	9407	Seq. ID	OJ991110_01.0218.C20
Gene No.	20142	Strand	-
Start	1	End	662
Name	OJ991110_01.0218.C20.o1.tw	Method	TBLASTX:Wheat
Start	251	End	629
GI	none	Score	64
Exons	251..469, 255..374, 274..468, 279..476, 417..473, 480..563, 484..564, 546..629		

Seq. No.	9407	Seq. ID	OJ991110_01.0218.C20
Gene No.	20142	Strand	-
Start	1	End	662
Name	OJ991110_01.0218.C20.o2.tm	Method	TBLASTX:Maize
Start	474	End	659
GI	none	Score	181
Exons	474..659		

Seq. No.	9408	Seq. ID	OJ991110_01.0218.C21
Gene No.	20143	Strand	+
Start	1	End	872
Name	OJ991110_01.0218.C21.o1.np	Method	AAT/NAP
Start	1	End	872
GI	6907087	Score	322
Exons	1..245, 797..872		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9408	Seq. ID	OJ991110_01.0218.C21
Gene No.	20144	Strand	-
Start	236	End	567
Name	OJ991110_01.0218.C21.o1.gs	Method	GENSCAN
Start	236	End	567
GI	none	Score	.4
Exons	236..470, 485..567		

Seq. No.	9409	Seq. ID	OJ991110_01.0218.C22
Gene No.	20145	Strand	-
Start	1	End	644
Name	OJ991110_01.0218.C22.o1.np	Method	AAT/NAP
Start	1	End	644
GI	4680203	Score	691
Exons	1..644		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9409	Seq. ID	OJ991110_01.0218.C22
Gene No.	20145	Strand	-
Start	1	End	644
Name	OJ991110_01.0218.C22.o1.tw	Method	TBLASTX:Wheat
Start	6	End	362
GI	none	Score	157
Exons	6..263, 11..262, 21..272, 22..264, 255..362		

Seq. No.	9409	Seq. ID	OJ991110_01.0218.C22

Gene No.	20145	Strand	-
Start	1	End	644
Name	OJ991110_01.0218.C22.o1.gs	Method	GENSCAN
Start	20	End	476
GI	none	Score	.62
Exons	20..476		

Seq. No.	9409	Seq. ID	OJ991110_01.0218.C22
Gene No.	20145	Strand	-
Start	1	End	644
Name	OJ991110_01.0218.C22.o1.ts	Method	TBLASTX:Soybean
Start	21	End	239
GI	none	Score	103
Exons	21..239, 25..231		

Seq. No.	9409	Seq. ID	OJ991110_01.0218.C22
Gene No.	20145	Strand	-
Start	1	End	644
Name	OJ991110_01.0218.C22.o1.gp	Method	AAT/GAP
Start	258	End	644
GI	2310235	Score	123
Exons	258..283, 574..644		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	9410	Seq. ID	OJ991110_01.0218.C23
Gene No.	20146	Strand	-
Start	29	End	1985
Name	OJ991110_01.0218.C23.o1.gs	Method	GENSCAN
Start	29	End	1985
GI	none	Score	.81
Exons	29..144, 1919..1985		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20147	Strand	+
Start	70	End	4245
Name	OJ991110_01.0218.C24.o1.gs	Method	GENSCAN
Start	70	End	3717
GI	none	Score	.76
Exons	70..143, 234..415, 472..678, 743..971, 1065..1196, 1449..1568, 2936..3717		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20147	Strand	+
Start	70	End	4245
Name	OJ991110_01.0218.C24.o1.np	Method	AAT/NAP
Start	2370	End	4245
GI	6907087	Score	1081
Exons	2370..2738, 2948..3592, 4144..4245		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20148	Strand	+
Start	4710	End	5092
Name	OJ991110_01.0218.C24.o1.gp	Method	AAT/GAP

Start	4710	End	5092
GI	uC-osflcyp033a04b1	Score	692
Exons	4710..5092		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20149	Strand	+
Start	6350	End	9026
Name	OJ991110_01.0218.C24.o3.gs	Method	GENSCAN
Start	6350	End	7699
GI	none	Score	.91
Exons	6350..7699		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20149	Strand	+
Start	6350	End	9026
Name	OJ991110_01.0218.C24.o3.np	Method	AAT/NAP
Start	6424	End	7123
GI	6721517	Score	428
Exons	6424..7123		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20149	Strand	+
Start	6350	End	9026
Name	OJ991110_01.0218.C24.o4.np	Method	AAT/NAP
Start	7531	End	9026
GI	130582	Score	42
Exons	7531..7671, 8920..9026		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20150	Strand	-
Start	4138	End	6587
Name	OJ991110_01.0218.C24.o2.gs	Method	GENSCAN
Start	4138	End	5506
GI	none	Score	.4
Exons	4138..4244, 4690..4844, 5448..5506		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20150	Strand	-
Start	4138	End	6587
Name	OJ991110_01.0218.C24.o2.np	Method	AAT/NAP
Start	4639	End	6587
GI	4680186	Score	234
Exons	4639..4860, 6567..6587		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20151	Strand	-
Start	8450	End	8860
Name	OJ991110_01.0218.C24.o1.tw	Method	TBLASTX:Wheat
Start	6572	End	6931

GI	none	Score	278
Exons	6572..6931, 6574..6927		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20151	Strand	-
Start	8450	End	8860
Name	OJ991110_01.0218.C24.o1.tm	Method	TBLASTX:Maize
Start	6812	End	7111
GI	none	Score	222
Exons	6812..7111, 6826..6915		

Seq. No.	9411	Seq. ID	OJ991110_01.0218.C24
Gene No.	20151	Strand	-
Start	8450	End	8860
Name	OJ991110_01.0218.C24.o4.gs	Method	GENSCAN
Start	8450	End	8860
GI	none	Score	.62
Exons	8450..8524, 8673..8860		

Seq. No.	9412	Seq. ID	OJ991110_01.0218.C25
Gene No.	20152	Strand	+
Start	740	End	3348
Name	OJ991110_01.0218.C25.o1.gs	Method	GENSCAN
Start	740	End	3348
GI	none	Score	.53
Exons	740..928, 1005..1116, 1327..1473, 1855..1862, 2053..2267, 2583..2644, 2931..3099, 3168..3348		

Seq. No.	9412	Seq. ID	OJ991110_01.0218.C25
Gene No.	20153	Strand	+
Start	4078	End	4984
Name	OJ991110_01.0218.C25.o2.np	Method	AAT/NAP
Start	4078	End	4984
GI	5852180	Score	60
Exons	4078..4165, 4922..4984		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9412	Seq. ID	OJ991110_01.0218.C25
Gene No.	20153	Strand	+
Start	4078	End	4984
Name	OJ991110_01.0218.C25.o2.gp	Method	AAT/GAP
Start	4266	End	4784
GI	uC-osf1M202048c12b1	Score	841
Exons	4266..4784		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9412	Seq. ID	OJ991110_01.0218.C25
Gene No.	20154	Strand	+
Start	4925	End	4984
Name	OJ991110_01.0218.C25.o3.gp	Method	AAT/GAP
Start	4925	End	4984
GI	uC-osroM202024h08a1	Score	90
Exons	4925..4984		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9412	Seq. ID	OJ991110_01.0218.C25
Gene No.	20155	Strand	-
Start	1167	End	4984
Name	OJ991110_01.0218.C25.o1.np	Method	AAT/NAP
Start	1167	End	4984
GI	5262172	Score	89
Exons	1167..1238, 3180..3385, 4935..4984		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		

Seq. No.	9412	Seq. ID	OJ991110_01.0218.C25
Gene No.	20155	Strand	-
Start	1167	End	4984
Name	OJ991110_01.0218.C25.o3.np	Method	AAT/NAP
Start	4175	End	4984
GI	6063554	Score	118
Exons	4175..4351, 4942..4984		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9413	Seq. ID	OJ991110_01.0218.C26
Gene No.	20156	Strand	+
Start	1	End	423
Name	OJ991110_01.0218.C26.o1.np	Method	AAT/NAP
Start	1	End	423
GI	5852180	Score	203
Exons	1..423		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9413	Seq. ID	OJ991110_01.0218.C26
Gene No.	20157	Strand	-
Start	229	End	3977
Name	OJ991110_01.0218.C26.o2.np	Method	AAT/NAP
Start	229	End	3977
GI	5042454	Score	144
Exons	229..413, 1553..2014, 3921..3977		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9413	Seq. ID	OJ991110_01.0218.C26
Gene No.	20158	Strand	-
Start	4830	End	6582
Name	OJ991110_01.0218.C26.o3.np	Method	AAT/NAP
Start	4830	End	6582
GI	6721512	Score	90
Exons	4830..4865, 6253..6417, 6445..6582		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9414	Seq. ID	OJ991110_01.0218.C27
Gene No.	20159	Strand	+
Start	3631	End	4702
Name	OJ991110_01.0218.C27.o1.np	Method	AAT/NAP
Start	3631	End	4702
GI	5441880	Score	717
Exons	3631..4702		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9414	Seq. ID	OJ991110_01.0218.C27
Gene No.	20159	Strand	+
Start	3631	End	4702
Name	OJ991110_01.0218.C27.o1.tm	Method	TBLASTX:Maize
Start	4200	End	4659
GI	none	Score	126
Exons	4200..4322, 4201..4353, 4353..4658, 4354..4659		

Seq. No.	9414	Seq. ID	OJ991110_01.0218.C27
Gene No.	20159	Strand	+
Start	3631	End	4702
Name	OJ991110_01.0218.C27.o1.tw	Method	TBLASTX:Wheat
Start	4491	End	4659
GI	none	Score	186
Exons	4491..4640, 4492..4659, 4492..4641		

Seq. No.	9415	Seq. ID	OJ991110_07.0225.C1
Gene No.	20160	Strand	-
Start	1	End	425
Name	OJ991110_07.0225.C1.o1.np	Method	AAT/NAP
Start	1	End	425
GI	6069657	Score	211
Exons	1..425		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	9415	Seq. ID	OJ991110_07.0225.C1
Gene No.	20160	Strand	-
Start	1	End	425
Name	OJ991110_07.0225.C1.o1.gs	Method	GENSCAN
Start	71	End	384
GI	none	Score	.42
Exons	71..198, 203..384		

Seq. No.	9416	Seq. ID	OJ991110_07.0225.C3
Gene No.	20161	Strand	-
Start	156	End	1001
Name	OJ991110_07.0225.C3.o1.gs	Method	GENSCAN
Start	156	End	1001
GI	none	Score	.91
Exons	156..1001		

Seq. No.	9416	Seq. ID	OJ991110_07.0225.C3
Gene No.	20161	Strand	-
Start	156	End	1001
Name	OJ991110_07.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	582	End	821
GI	none	Score	101
Exons	582..812, 591..821, 592..813		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20162	Strand	+
Start	197	End	2963
Name	OJ991110_07.0225.C4.o1.gs	Method	GENSCAN
Start	197	End	2665
GI	none	Score	.68
Exons	197..350, 756..882, 992..1142, 1228..1277, 1530..1701,		

1807..1973, 2031..2121, 2513..2665

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20162	Strand	+
Start	197	End	2963
Name	OJ991110_07.0225.C4.o1.np	Method	AAT/NAP
Start	232	End	2662
GI	2245000	Score	455
Exons	232..350, 1477..1701, 2053..2134, 2523..2662		
GI Descrip.	(Z97341) LET1 like protein [Arabidopsis thaliana]		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20162	Strand	+
Start	197	End	2963
Name	OJ991110_07.0225.C4.o1.gp	Method	AAT/GAP
Start	1040	End	1925
GI	uC-osf1M202047f08b1	Score	816
Exons	1040..1142, 1228..1277, 1530..1701, 1807..1925		
GI Descrip.	'5777952/gb|AAD51446.1|AF128406_1 9.0e-20 (AF128406) prenyl-dependent prelamin A binding protein Narf [Homo sapiens]'		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20162	Strand	+
Start	197	End	2963
Name	OJ991110_07.0225.C4.o2.gp	Method	AAT/GAP
Start	2044	End	2963
GI	18064_1.R1084	Score	976
Exons	2044..2121, 2513..2963		
GI Descrip.	'2245000/emb|CAB10420.1| 1.0e-20 (Z97341) LET1 like protein [Arabidopsis thaliana]'		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20163	Strand	+
Start	4570	End	5426
Name	OJ991110_07.0225.C4.o2.np	Method	AAT/NAP
Start	4570	End	5417
GI	2464905	Score	587
Exons	4570..5093, 5192..5417		
GI Descrip.	(Z99708) minor allergen [Arabidopsis thaliana]		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20163	Strand	+
Start	4570	End	5426
Name	OJ991110_07.0225.C4.o3.gs	Method	GENSCAN
Start	4570	End	5426
GI	none	Score	.83
Exons	4570..4770, 4885..5093, 5192..5426		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20164	Strand	-
Start	3452	End	4227
Name	OJ991110_07.0225.C4.o2.gs	Method	GENSCAN
Start	3452	End	4176
GI	none	Score	.99
Exons	3452..3631, 3740..4003, 4024..4074, 4105..4176		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4

Gene No.	20164	Strand	-
Start	3452	End	4227
Name	OJ991110_07.0225.C4.o3.gp	Method	AAT/GAP
Start	3718	End	4227
GI	2428175	Score	679
Exons	3718..4003, 4105..4227		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o4.tm	Method	TBLASTX:Maize
Start	137	End	817
GI	none	Score	244
Exons	137..352, 158..358, 163..357, 747..815, 754..816, 755..817		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o2.tc	Method	TBLASTX:Cress
Start	160	End	1067
GI	none	Score	206
Exons	160..279, 161..358, 161..370, 754..855, 755..883, 990..1067, 990..1067		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o2.ts	Method	TBLASTX:Soybean
Start	160	End	1683
GI	none	Score	218
Exons	160..273, 161..358, 754..840, 755..880, 993..1079, 993..1070, 1089..1142, 1531..1683, 1590..1682		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o5.tm	Method	TBLASTX:Maize
Start	854	End	1120
GI	none	Score	36
Exons	854..883, 990..1118, 997..1119, 1001..1120, 1005..1109		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o2.tm	Method	TBLASTX:Maize
Start	1473	End	2140
GI	none	Score	207
Exons	1473..1703, 1474..1707, 1783..1938, 1795..1935, 1839..1940, 2038..2124, 2040..2120, 2042..2140		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o5.ts	Method	TBLASTX:Soybean
Start	1903	End	2665
GI	none	Score	54
Exons	1903..1935, 2038..2124, 2504..2665, 2512..2664		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o3.tc	Method	TBLASTX:Cress
Start	3767	End	4064
GI	none	Score	89
Exons	3767..4009, 3768..4064		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o4.ts	Method	TBLASTX:Soybean
Start	3776	End	4010
GI	none	Score	119
Exons	3776..3859, 3849..4010, 3854..4009		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o6.tm	Method	TBLASTX:Maize
Start	3849	End	4030
GI	none	Score	160
Exons	3849..4007, 3851..4030, 3851..4006		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o3.tm	Method	TBLASTX:Maize
Start	4699	End	5408
GI	none	Score	129
Exons	4699..4854, 4891..5052, 4935..5051, 5145..5408, 5195..5254, 5199..5384, 5297..5404		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	4702	End	5429
GI	none	Score	135
Exons	4702..4854, 4894..5058, 4932..5051, 5165..5269, 5195..5245, 5196..5429, 5297..5404		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o3.ts	Method	TBLASTX:Soybean
Start	4702	End	5408
GI	none	Score	145
Exons	4702..4854, 4891..5058, 4935..5051, 5195..5404, 5196..5408		

Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o1.tw	Method	TBLASTX:Wheat
Start	4927	End	5426
GI	none	Score	151

Exons	4927..5058, 4941..5057, 5151..5426, 5190..5408		
Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o4.gp	Method	AAT/GAP
Start	5858	End	6469
GI	17156_1.R1084	Score	1183
Exons	5858..6469		
GI Descrip.	'4507221/ref|NP_003129.1|pSRPK2| 2.0e-13 SFRS protein kinase 2 >gi_1857944 (U88666) serine kinase SRPK2 [Homo sapiens]'		
Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o4.gs	Method	GENSCAN
Start	6162	End	6697
GI	none	Score	.98
Exons	6162..6605, 6686..6697		
Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	6192	End	6751
GI	none	Score	166
Exons	6192..6365, 6196..6321, 6285..6605, 6354..6548, 6355..6606, 6683..6736, 6687..6734, 6688..6750, 6719..6751		
Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	6237	End	6736
GI	none	Score	72
Exons	6237..6314, 6238..6336, 6357..6605, 6358..6606, 6359..6607, 6370..6606, 6683..6736, 6690..6734		
Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o3.np	Method	AAT/NAP
Start	6309	End	6736
GI	4914374	Score	261
Exons	6309..6605, 6686..6736		
GI Descrip.	(AC007584) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	9417	Seq. ID	OJ991110_07.0225.C4
Gene No.	20165	Strand	-
Start	5858	End	6761
Name	OJ991110_07.0225.C4.o5.gp	Method	AAT/GAP
Start	6479	End	6761
GI	3106588	Score	251
Exons	6479..6605, 6686..6761		
GI Descrip.	4507221/ref|NP_003129.1|pSRPK2| 2.0e-13 SFRS protein kinase 2 >gi_1857944 (U88666) serine kinase SRPK2 [Homo sapiens]		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o1.tc	Method	TBLASTX:Cress
Start	532	End	786
GI	none	Score	100
Exons	532..630, 541..630, 542..769,	585..770,	667..786

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o2.ts	Method	TBLASTX:Soybean
Start	539	End	764
GI	none	Score	230
Exons	539..763, 585..764		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o1.gs	Method	GENSCAN
Start	542	End	2039
GI	none	Score	.8
Exons	542..1459, 1628..1697, 1894..2039		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o1.np	Method	AAT/NAP
Start	542	End	1961
GI	3367568	Score	834
Exons	542..766, 866..1459, 1780..1961		
GI Descrip.	(AL031135) protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	634	End	1259
GI	none	Score	182
Exons	634..777, 635..778, 635..778, 867..1259	636..779,	839..1258, 842..1258,

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o1.gp	Method	AAT/GAP
Start	880	End	1241
GI	uC-osf1M202075h07b1	Score	681
Exons	880..1241		
GI Descrip.	'3367568/emb|CAA20020| 9.0e-15 (AL031135) protein kinase - like protein [Arabidopsis thaliana]'		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o2.tc	Method	TBLASTX:Cress
Start	1044	End	1240

GI	none	Score	141
Exons	1044..1238, 1052..1240		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o1.tw	Method	TBLASTX:Wheat
Start	1067	End	1268
GI	none	Score	133
Exons	1067..1267, 1068..1268		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	1086	End	1916
GI	none	Score	366
Exons	1086..1454, 1088..1456, 1112..1456, 1780..1872, 1781..1873, 1858..1893, 1872..1916		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o2.tm	Method	TBLASTX:Maize
Start	1270	End	1916
GI	none	Score	77
Exons	1270..1344, 1270..1458, 1280..1459, 1284..1460, 1780..1872, 1781..1873, 1861..1893, 1872..1916		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o3.tc	Method	TBLASTX:Cress
Start	1340	End	1916
GI	none	Score	147
Exons	1340..1459, 1341..1460, 1780..1872, 1790..1873, 1872..1916		

Seq. No.	9418	Seq. ID	OJ991110_07.0225.C5
Gene No.	20166	Strand	-
Start	542	End	2163
Name	OJ991110_07.0225.C5.o2.gp	Method	AAT/GAP
Start	1355	End	2163
GI	uC-osrocyp005g06b1	Score	939
Exons	1355..1459, 1780..2163		
GI Descrip.	'280523/pir||S28282 1.0e-24 hypothetical protein B0464.5 - Caenorhabditis elegans'		

Seq. No.	9419	Seq. ID	OJ991110_07.0225.C6
Gene No.	20167	Strand	
Start	4059	End	4448
Name	OJ991110_07.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	4059	End	4448
GI	none	Score	358
Exons	4059..4310, 4082..4309, 4353..4448, 4358..4408		

Seq. No.	9419	Seq. ID	OJ991110_07.0225.C6
Gene No.	20167	Strand	

Start	4059	End	4448
Name	OJ991110_07.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	4059	End	4280
GI	none	Score	235
Exons	4059..4280, 4082..4219		

Seq. No.	9419	Seq. ID	OJ991110_07.0225.C6
Gene No.	20168	Strand	
Start	4815	End	5413
Name	OJ991110_07.0225.C6.o2.tm	Method	TBLASTX:Maize
Start	4815	End	5413
GI	none	Score	90
Exons	4815..4880, 5201..5404, 5212..5364, 5360..5413, 5362..5412		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20169	Strand	+
Start	3031	End	3543
Name	OJ991110_07.0225.C7.o2.gs	Method	GENSCAN
Start	3031	End	3543
GI	none	Score	.85
Exons	3031..3543		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20170	Strand	+
Start	11131	End	13979
Name	OJ991110_07.0225.C7.o5.gs	Method	GENSCAN
Start	11131	End	11873
GI	none	Score	.49
Exons	11131..11138, 11744..11873		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20170	Strand	+
Start	11131	End	13979
Name	OJ991110_07.0225.C7.o1.gp	Method	AAT/GAP
Start	11190	End	13979
GI	64_1.R1084	Score	1062
Exons	11190..11210, 13172..13240, 13292..13775, 13899..13979		
GI Descrip.	'4126687/dbj|BAA36695| 0.0e+00 (AB016501) glutelin [Oryza sativa]'		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20171	Strand	+
Start	36972	End	39057
Name	OJ991110_07.0225.C7.o6.np	Method	AAT/NAP
Start	36972	End	39057
GI	3935139	Score	381
Exons	36972..37024, 37788..37869, 37949..38279, 38923..39057		
GI Descrip.	(AC005106) T25N20.3 [Arabidopsis thaliana]		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20172	Strand	-
Start	1	End	2846
Name	OJ991110_07.0225.C7.o1.np	Method	AAT/NAP
Start	1	End	2846
GI	4585982	Score	443
Exons	1..21, 892..934, 1037..1287, 1933..1996, 2629..2846		
GI Descrip.	(AC005287) Unknown protein [Arabidopsis thaliana]		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20172	Strand	-
Start	1	End	2846
Name	OJ991110_07.0225.C7.o1.gs	Method	GENSCAN
Start	787	End	2745
GI	none	Score	.87
Exons	787..807, 896..934, 1037..1287, 1933..1996, 2629..2745		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20173	Strand	-
Start	5709	End	6524
Name	OJ991110_07.0225.C7.o3.gs	Method	GENSCAN
Start	5709	End	6512
GI	none	Score	.86
Exons	5709..6512		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20173	Strand	-
Start	5709	End	6524
Name	OJ991110_07.0225.C7.o2.np	Method	AAT/NAP
Start	5712	End	6524
GI	6223643	Score	692
Exons	5712..6524		
GI Descrip.	(AC011698) putative short-chain type dehydrogenase/reductase [Arabidopsis thaliana]		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20174	Strand	-
Start	7217	End	7538
Name	OJ991110_07.0225.C7.o4.gs	Method	GENSCAN
Start	7217	End	7538
GI	none	Score	.99
Exons	7217..7284, 7385..7538		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o11.ts	Method	TBLASTX:Soybean
Start	896	End	1307
GI	none	Score	42
Exons	896..952, 898..918, 900..926, 1031..1129, 1037..1120, 1050..1130, 1097..1180, 1184..1288, 1194..1307		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o8.tm	Method	TBLASTX:Maize
Start	896	End	3280
GI	none	Score	67
Exons	896..952, 901..936, 1031..1288, 1034..1288, 1038..1307, 1937..1996, 2626..2736, 2630..2737, 2726..2827, 2728..2820, 3059..3130, 3062..3139, 3211..3273, 3221..3280, 3229..3279		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175

Name	OJ991110_07.0225.C7.o3.tm	Method	TBLASTX:Maize
Start	5706	End	6188
GI	none	Score	460
Exons	5706..6188, 5707..6117		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o4.tc	Method	TBLASTX:Cress
Start	5785	End	6422
GI	none	Score	124
Exons	5785..6222, 5793..6293, 6336..6422		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o7.ts	Method	TBLASTX:Soybean
Start	5892	End	6422
GI	none	Score	42
Exons	5892..5960, 5892..6299, 6066..6122, 6091..6210, 6333..6422		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o6.gs	Method	GENSCAN
Start	13612	End	47685
GI	none	Score	.69
Exons	13612..13808, 13863..14057, 14322..14607, 14687..15274, 15526..16071, 16297..16364, 16447..16606, 16714..16836, 19279..19354, 20178..20321, 20467..20661, 21597..21679, 21810..21890, 21973..22029, 22251..22350, 22493..22563, 22636..22782, 22861..23067, 23308..23404, 23518..23675, 23804..23869, 24137..24251, 24338..24439, 24526..24665, 24762..24977, 25119..25217, 25306..25425, 25548..25753, 25851..26028, 26123..26183, 26317..26423, 26554..26685, 26775..26945, 27026..27152, 27371..27408, 27480..27581, 27946..28198, 28321..28467, 28553..28689, 28795..28944, 29440..29596, 29708..29853, 29959..30102, 30322..30450, 30562..30747, 31681..31743, 31834..31914, 32010..32069, 32394..32473, 32683..32734, 33058..33195, 33280..33543, 33968..34025, 34169..34256, 34854..34902, 35607..35744, 36272..36372, 36741..36863, 37595..38386, 40238..40381, 40466..40679, 41167..41266, 41633..41719, 42888..43090, 44722..47685		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o3.np	Method	AAT/NAP
Start	13879	End	16815
GI	4204265	Score	1008
Exons	13879..14043, 14395..14607, 14687..15259, 15493..15713, 15768..16048, 16401..16571, 16688..16815		
GI Descrip.	(AC005223) 45643 [Arabidopsis thaliana]		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-

Start	13612	End	48175
Name	OJ991110_07.0225.C7.o1.tw	Method	TBLASTX:Wheat
Start	13895	End	14611
GI	none	Score	133
Exons	13895..14035, 13896..14039, 13897..14043, 13913..14032, 14389..14607, 14395..14607, 14396..14608, 14399..14611		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o13.tm	Method	TBLASTX:Maize
Start	13895	End	14046
GI	none	Score	126
Exons	13895..14020, 13896..14045, 13897..14046, 13898..14032, 13966..14046		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o1.ts	Method	TBLASTX:Soybean
Start	13910	End	15678
GI	none	Score	108
Exons	13910..14014, 13912..14046, 14379..14534, 14392..14607, 14393..14608, 14673..14870, 14676..14921, 14681..14920, 14707..14934, 14912..15085, 14967..15059, 15032..15115, 15048..15095, 15104..15181, 15105..15182, 15105..15182, 15176..15199, 15177..15200, 15538..15678		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o2.tc	Method	TBLASTX:Cress
Start	13915	End	15182
GI	none	Score	117
Exons	13915..14046, 13916..14032, 14374..14607, 14393..14608, 14393..14626, 14676..14900, 14681..14902, 14687..14917, 14722..14907, 14978..15073, 14979..15035, 15104..15181, 15108..15182		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	14374	End	16800
GI	none	Score	322
Exons	14374..14607, 14393..14608, 14676..14912, 14679..14912, 14681..14917, 14686..14913, 14906..15274, 14916..15275, 14916..15275, 14917..15276, 15524..15598, 15525..15698, 15526..15717, 15526..15696, 15663..15854, 15676..16047, 15698..16048, 15894..16049, 16168..16194, 16168..16194, 16297..16365, 16298..16369, 16445..16588, 16446..16589, 16693..16800		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o2.gp	Method	AAT/GAP

Start	14740	End	15578
GI	12993_1.R1084	Score	1148
Exons	14740..15274, 15526..15578		
GI Descrip.	'4204265 5.0e-42 (AC005223) 45643 [Arabidopsis thaliana]'		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o3.gp	Method	AAT/GAP
Start	16324	End	17290
GI	none	Score	1020
Exons	16324..16364, 16447..16606, 16714..16787, 17018..17290		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o4.np	Method	AAT/NAP
Start	21370	End	30036
GI	4887746	Score	4403
Exons	21370..21494, 21597..21679, 21810..21890, 21973..22029, 22106..22162, 22251..22350, 22493..22563, 22636..22782, 22861..23063, 23245..23404, 23505..23675, 23804..23866, 24100..24251, 24338..24439, 24526..24665, 24762..24977, 25119..25217, 25306..25425, 25548..25753, 25851..26028, 26123..26183, 26317..26423, 26554..26685, 26775..26945, 27026..27152, 27371..27408, 27480..27581, 27946..28003, 28097..28198, 28321..28467, 28553..28689, 28795..28944, 29039..29198, 29283..29341, 29440..29596, 29708..29853, 29959..30036		
GI Descrip.	(AC006533) putative unconventional myosin [Arabidopsis thaliana]		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o4.ts	Method	TBLASTX:Soybean
Start	21386	End	22968
GI	none	Score	53
Exons	21386..21508, 21599..21679, 21805..21900, 21807..21899, 21955..22044, 21970..22029, 22103..22165, 22104..22178, 22251..22352, 22252..22353, 22456..22560, 22636..22728, 22861..22968, 22862..22966		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o1.tc	Method	TBLASTX:Cress
Start	21428	End	30438
GI	none	Score	81
Exons	21428..21508, 21599..21682, 21807..21899, 21970..22029, 22103..22180, 22104..22181, 22254..22352, 22255..22353, 22468..22563, 22618..22722, 22861..22986, 22892..22987, 23488..23673, 23505..23672, 24837..24974, 25119..25268, 25306..25428, 25307..25426, 25543..25749, 25548..25748, 25849..26031, 25850..26032, 26120..26185, 26124..26189, 26314..26424, 26322..26423, 26554..26667, 26555..26686, 26775..26834, 26776..26841, 26811..26945, 26821..26946, 27020..27151, 27021..27152, 27024..27152, 27373..27411,		

27480..27623, 27489..27584, 27946..28017, 27950..28006,
28072..28197, 28092..28205, 28093..28200, 28294..28473,
28320..28466, 28553..28699, 28555..28692, 28793..28849,
28795..28947, 28916..28945, 29037..29204, 29038..29190,
29039..29200, 29283..29342, 29285..29341, 29440..29598,
29441..29599, 29695..29835, 29707..29853, 29717..29848,
29952..30068, 29959..30102, 29963..30106, 30319..30438

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o5.tm	Method	TBLASTX:Maize
Start	21641	End	23348
GI	none	Score	50

Exons 21641..21682, 21642..21680, 21799..21891, 21807..21890,
21809..21898, 21809..21898, 21970..22041, 21971..22039,
22103..22165, 22104..22163, 22105..22164, 22251..22349,
22251..22352, 22252..22353, 22253..22360, 22456..22563,
22493..22564, 22495..22566, 22618..22785, 22618..22785,
22647..22787, 22652..22786, 22834..23052, 22835..23053,
22859..23053, 23248..23346, 23250..23348, 23251..23340

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o3.tw	Method	TBLASTX:Wheat
Start	22618	End	22990
GI	none	Score	119

Exons 22618..22761, 22861..22989, 22865..22990

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o10.ts	Method	TBLASTX:Soybean
Start	24379	End	25640
GI	none	Score	64

Exons 24379..24441, 24395..24457, 24762..24839, 24762..24974,
24769..24978, 24940..24978, 25118..25255, 25119..25268,
25306..25428, 25307..25426, 25548..25640

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o6.tm	Method	TBLASTX:Maize
Start	25176	End	26421
GI	none	Score	62

Exons 25176..25277, 25306..25434, 25307..25429, 25318..25428,
25545..25697, 25548..25748, 25549..25749, 25832..26029,
25849..26031, 25891..26034, 25959..26036, 26120..26185,
26123..26185, 26319..26420, 26320..26421

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o9.ts	Method	TBLASTX:Soybean
Start	26313	End	26687
GI	none	Score	81

Exons	26313..26450, 26347..26463, 26546..26683, 26554..26667, 26565..26687		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o7.tm	Method	TBLASTX:Maize
Start	26584	End	27152
GI	none	Score	103
Exons	26584..26667, 26585..26686, 26586..26687, 26767..26823, 26775..26939, 26775..26948, 26776..26946, 26882..26965, 27023..27151, 27024..27152, 27027..27152		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o6.ts	Method	TBLASTX:Soybean
Start	26800	End	27115
GI	none	Score	126
Exons	26800..26925, 26802..26903, 26904..26945, 27020..27115, 27021..27113		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o9.tm	Method	TBLASTX:Maize
Start	28171	End	28668
GI	none	Score	208
Exons	28171..28197, 28294..28470, 28319..28465, 28320..28466, 28543..28662, 28547..28666, 28548..28649, 28552..28668		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o11.tm	Method	TBLASTX:Maize
Start	29042	End	29853
GI	none	Score	124
Exons	29042..29200, 29285..29362, 29470..29592, 29471..29602, 29716..29745, 29806..29853		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o5.ts	Method	TBLASTX:Soybean
Start	29057	End	30048
GI	none	Score	65
Exons	29057..29200, 29106..29231, 29285..29341, 29311..29346, 29455..29601, 29471..29596, 29803..29853, 29959..30048		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o4.gp	Method	AAT/GAP
Start	31360	End	34951
GI	879_1.R1084	Score	2481
Exons	31360..31699, 31834..31914, 32010..32069, 32394..32473, 32683..32734, 33058..33195, 33280..33543, 33968..34025,		

	34108..34217, 34324..34395, 34839..34951		
GI Descrip.	'4574139/gb|AAD23909.1|AF073697_1 1.0e-166 (AF073697) cysteine synthase [Oryza sativa]'		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o3.tc	Method	TBLASTX:Cress
Start	31604	End	34220
GI	none	Score	69
Exons	31604..31696, 31605..31691, 31835..31915, 32007..32069, 32008..32070, 32379..32474, 32394..32474, 32681..32749, 32682..32729, 33040..33198, 33041..33091, 33109..33204, 33277..33543, 33284..33544, 33366..33548, 33968..34027, 33968..34027, 33969..34028, 34103..34204, 34107..34220, 34108..34218		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o4.tm	Method	TBLASTX:Maize
Start	31604	End	34366
GI	none	Score	99
Exons	31604..31699, 31611..31700, 31831..31860, 31832..31915, 31886..31915, 32007..32069, 32008..32070, 32379..32474, 32403..32474, 32431..32475, 32681..32740, 33040..33198, 33041..33088, 33128..33190, 33277..33543, 33277..33543, 33281..33544, 33281..33544, 33971..34027, 33971..34027, 33972..34028, 34103..34219, 34107..34220, 34108..34218, 34325..34366, 34327..34365		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o2.ts	Method	TBLASTX:Soybean
Start	31605	End	34220
GI	none	Score	104
Exons	31605..31697, 31607..31696, 31834..31860, 31835..31921, 31877..31930, 32007..32069, 32008..32067, 32379..32474, 32431..32475, 32681..32740, 33040..33198, 33041..33091, 33066..33197, 33091..33198, 33277..33543, 33281..33544, 33281..33544, 33968..34027, 33972..34028, 34107..34214, 34107..34220, 34108..34218		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o5.np	Method	AAT/NAP
Start	31610	End	34365
GI	4574139	Score	1351
Exons	31610..31699, 31834..31914, 32010..32069, 32394..32473, 32683..32734, 33058..33195, 33280..33543, 33968..34025, 34108..34217, 34324..34365		
GI Descrip.	(AF073697) cysteine synthase [Oryza sativa]		
Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-

Start	13612	End	48175
Name	OJ991110_07.0225.C7.o2.tw	Method	TBLASTX:Wheat
Start	33322	End	34414
GI	none	Score	267
Exons	33322..33543, 33323..33544, 33968..34027, 33969..34028, 33972..34028, 34103..34156, 34107..34220, 34108..34218, 34322..34414		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o7.np	Method	AAT/NAP
Start	37730	End	48175
GI	3935138	Score	1002
Exons	37730..37760, 40507..40679, 41167..41266, 41633..41719, 42888..43126, 44219..44438, 44722..45665, 48151..48175		
GI Descrip.	(AC005106) T25N20.2 [Arabidopsis thaliana]		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o8.ts	Method	TBLASTX:Soybean
Start	38057	End	38994
GI	none	Score	167
Exons	38057..38134, 38058..38171, 38184..38312, 38920..38994, 38922..38993		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o5.gp	Method	AAT/GAP
Start	39181	End	40334
GI	27473_1.R1084	Score	1586
Exons	39181..39914, 40238..40334		
GI Descrip.	'3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o10.tm	Method	TBLASTX:Maize
Start	40476	End	43106
GI	none	Score	81
Exons	40476..40589, 40504..40560, 40561..40689, 40563..40679, 41164..41268, 41168..41266, 41169..41270, 41632..41724, 41635..41724, 42887..43102, 42888..43097, 42890..43105, 42897..43106		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o12.ts	Method	TBLASTX:Soybean
Start	40515	End	44788
GI	none	Score	101
Exons	40515..40676, 40531..40689, 41156..41260, 41170..41262, 41170..41268, 41630..41719, 41632..41718, 42887..43129, 42888..43007, 42890..43129, 44346..44441, 44719..44787, 44729..44788		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o12.tm	Method	TBLASTX:Maize
Start	44013	End	44444
GI	none	Score	88
Exons	44013..44105, 44050..44094, 44051..44107, 44118..44159, 44120..44212, 44298..44444, 44302..44367, 44304..44441		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o6.gp	Method	AAT/GAP
Start	44054	End	44919
GI	2310356	Score	757
Exons	44054..44142, 44306..44438, 44722..44919		
GI Descrip.	3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o2.tm	Method	TBLASTX:Maize
Start	44718	End	45276
GI	none	Score	98
Exons	44718..44786, 44722..44847, 44723..44806, 44731..44865, 44836..45165, 44836..45276, 44843..45250, 44856..45263		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o5.tc	Method	TBLASTX:Cress
Start	44737	End	45087
GI	none	Score	89
Exons	44737..44907, 44750..44890, 44923..45087, 44963..45058		

Seq. No.	9420	Seq. ID	OJ991110_07.0225.C7
Gene No.	20175	Strand	-
Start	13612	End	48175
Name	OJ991110_07.0225.C7.o3.ts	Method	TBLASTX:Soybean
Start	44788	End	45240
GI	none	Score	49
Exons	44788..44907, 44789..44908, 44923..45057, 44963..45058, 45083..45163, 45121..45240		

Seq. No.	9421	Seq. ID	OJ991110_07.0225.C9
Gene No.	20176	Strand	-
Start	163	End	1066
Name	OJ991110_07.0225.C9.o1.gs	Method	GENSCAN
Start	163	End	1066
GI	none	Score	.89
Exons	163..269, 910..1066		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20177	Strand	+
Start	1056	End	1954
Name	OJ991110_07.0225.C10.o1.gs	Method	GENSCAN

Start	1056	End	1738
GI	none	Score	.66
Exons	1056..1394, 1523..1738		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20177	Strand	+
Start	1056	End	1954
Name	OJ991110_07.0225.C10.o1.np	Method	AAT/NAP
Start	1056	End	1954
GI	126078	Score	602
Exons	1056..1693, 1793..1954		
GI Descrip.	LATE EMBRYOGENESIS ABUNDANT PROTEIN D-34 (LEA D-34) gi|81554|pir||S04046 embryonic abundant protein gD-34 - upland cotton gi|18501|emb|CAA31594| (X13206) D-34 Lea protein [Gossypium hirsutum] gi|167385 (M19389) storage protein [Gossypium hirsutum] gi|226556|prf||1601521F Lea D-34 gene [Saguinus oedipus]		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20178	Strand	-
Start	1730	End	6357
Name	OJ991110_07.0225.C10.o2.np	Method	AAT/NAP
Start	1730	End	6235
GI	2245101	Score	361
Exons	1730..1772, 3394..3553, 3925..4027, 4172..4258, 5029..5207, 5795..5834, 5936..5995, 6188..6235		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20178	Strand	-
Start	1730	End	6357
Name	OJ991110_07.0225.C10.o1.gp	Method	AAT/GAP
Start	2624	End	6357
GI	1086_1.R1084	Score	2461
Exons	2624..3131, 3221..3312, 3406..3530, 3991..4051, 4172..4258, 4334..4372, 5029..5207, 5795..5834, 5936..5995, 6188..6357		
GI Descrip.	'2245101/emb|CAB10523.1| 2.0e-40 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20178	Strand	-
Start	1730	End	6357
Name	OJ991110_07.0225.C10.o2.gs	Method	GENSCAN
Start	3014	End	6235
GI	none	Score	.87
Exons	3014..3134, 3221..3312, 3406..3530, 3991..4051, 4172..4258, 4334..4372, 5142..5207, 5936..5995, 6188..6235		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o1.ts	Method	TBLASTX:Soybean
Start	1056	End	1945
GI	none	Score	41
Exons	1056..1082, 1083..1334, 1106..1288, 1332..1400, 1443..1490, 1529..1606, 1658..1729, 1793..1942, 1820..1945, 1849..1938		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o1.tc	Method	TBLASTX:Cress
Start	1106	End	1942
GI	none	Score	166
Exons	1106..1231, 1107..1337, 1332..1448, 1355..1399, 1529..1606, 1655..1690, 1790..1942, 1858..1938		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o2.tm	Method	TBLASTX:Maize
Start	1796	End	1953
GI	none	Score	221
Exons	1796..1951, 1849..1953		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o2.tc	Method	TBLASTX:Cress
Start	3014	End	3531
GI	none	Score	93
Exons	3014..3133, 3021..3137, 3191..3313, 3220..3312, 3439..3531		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o2.ts	Method	TBLASTX:Soybean
Start	3014	End	4243
GI	none	Score	100
Exons	3014..3133, 3018..3137, 3191..3313, 3220..3312, 3992..4045, 4172..4243		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o1.tm	Method	TBLASTX:Maize
Start	3232	End	6311
GI	none	Score	118
Exons	3232..3312, 3233..3313, 3418..3555, 3427..3531, 3987..4049, 3992..4054, 3993..4049, 4169..4261, 4173..4259, 4173..4265, 4174..4272, 4315..4368, 4329..4367, 4334..4381, 4334..4381, 5020..5208, 5029..5208, 5030..5209, 5031..5210, 5793..5840, 5793..5834, 5933..6001, 5934..5999, 5934..6002, 6188..6238, 6189..6239, 6246..6311		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o3.ts	Method	TBLASTX:Soybean
Start	4996	End	6254
GI	none	Score	138
Exons	4996..5208, 5030..5209, 5793..5834, 5933..6001, 6188..6241, 6192..6254		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10

Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o1.tw	Method	TBLASTX:Wheat
Start	5020	End	6296
GI	none	Score	272
Exons	5020..5208, 5030..5209, 5791..5835, 5793..5840, 5793..5834, 5933..6001, 5934..5999, 5934..6002, 5935..6000, 6188..6295, 6189..6296, 6213..6296		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o3.tc	Method	TBLASTX:Cress
Start	5035	End	6238
GI	none	Score	163
Exons	5035..5208, 5036..5209, 5793..5834, 5933..6001, 6188..6238		

Seq. No.	9422	Seq. ID	OJ991110_07.0225.C10
Gene No.	20179	Strand	-
Start	7517	End	9184
Name	OJ991110_07.0225.C10.o3.gs	Method	GENSCAN
Start	7517	End	9184
GI	none	Score	.91
Exons	7517..7575, 9013..9184		

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20180	Strand	+
Start	136	End	6274
Name	OJ991110_07.0225.C11.o1.gs	Method	GENSCAN
Start	136	End	2603
GI	none	Score	.85
Exons	136..537, 620..916, 1667..1760, 1779..1875, 2474..2603		

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20180	Strand	+
Start	136	End	6274
Name	OJ991110_07.0225.C11.o2.np	Method	AAT/NAP
Start	1620	End	6076
GI	3935141	Score	731
Exons	1620..1875, 2266..2453, 4366..4923, 5643..6076		
GI Descrip.	(AC005106) T25N20.5 [Arabidopsis thaliana]		

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20180	Strand	+
Start	136	End	6274
Name	OJ991110_07.0225.C11.o2.gs	Method	GENSCAN
Start	3919	End	6085
GI	none	Score	.72
Exons	3919..3996, 4491..4835, 4850..4901, 4984..5097, 5571..6085		

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20180	Strand	+
Start	136	End	6274
Name	OJ991110_07.0225.C11.o1.gp	Method	AAT/GAP
Start	4401	End	6274
GI	12969_1.R1084	Score	2461
Exons	4401..4901, 5025..5097, 5571..6274		

GI Descrip. '3935141 1.0e-57 (AC005106) T25N20.5 [Arabidopsis thaliana]'

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20181	Strand	-
Start	6897	End	7157
Name	OJ991110_07.0225.C11.o3.gs	Method	GENSCAN
Start	6897	End	7157
GI	none	Score	1
Exons	6897..7027, 7067..7157		

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20182	Strand	-
Start	7886	End	9859
Name	OJ991110_07.0225.C11.o1.tw	Method	TBLASTX:Wheat
Start	1712	End	4487
GI	none	Score	37
Exons	1712..1756, 1734..1865, 1744..1878, 1745..1876, 2257..2439, 2258..2440, 4406..4486, 4407..4487		

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20182	Strand	-
Start	7886	End	9859
Name	OJ991110_07.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	4502	End	5800
GI	none	Score	73
Exons	4502..4642, 4513..4653, 4589..4663, 4605..4655, 4664..4714, 4707..4901, 4712..4921, 4716..4904, 5022..5099, 5024..5098, 5569..5649, 5569..5649, 5656..5799, 5663..5800		

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20182	Strand	-
Start	7886	End	9859
Name	OJ991110_07.0225.C11.o4.gs	Method	GENSCAN
Start	7886	End	9859
GI	none	Score	.57
Exons	7886..8158, 8857..9009, 9098..9859		

Seq. No.	9423	Seq. ID	OJ991110_07.0225.C11
Gene No.	20182	Strand	-
Start	7886	End	9859
Name	OJ991110_07.0225.C11.o2.tm	Method	TBLASTX:Maize
Start	9098	End	9325
GI	none	Score	70
Exons	9098..9154, 9098..9148, 9149..9325, 9150..9323		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20183	Strand	+
Start	41	End	272
Name	OJ991110_07.0225.C12.o1.gs	Method	GENSCAN
Start	41	End	272
GI	none	Score	.51
Exons	41..138, 143..272		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o6.tm	Method	TBLASTX:Maize

Start	1712	End	1966
GI	none	Score	86
Exons	1712..1966, 1716..1946		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o1.np	Method	AAT/NAP
Start	4114	End	7862
GI	6539553	Score	6480
Exons	4114..7862		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o2.tw	Method	TBLASTX:Wheat
Start	4250	End	4726
GI	none	Score	347
Exons	4250..4636, 4251..4634, 4288..4635, 4651..4725, 4653..4724, 4655..4726		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o4.ts	Method	TBLASTX:Soybean
Start	4378	End	4719
GI	none	Score	79
Exons	4378..4587, 4457..4582, 4606..4719, 4619..4693		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o4.tm	Method	TBLASTX:Maize
Start	4582	End	4921
GI	none	Score	196
Exons	4582..4920, 4583..4921		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o2.ts	Method	TBLASTX:Soybean
Start	4732	End	5077
GI	none	Score	126
Exons	4732..5076, 4877..5077		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o3.tw	Method	TBLASTX:Wheat
Start	4930	End	5475
GI	none	Score	48
Exons	4930..5115, 4940..5062, 5131..5475, 5155..5328		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o2.tm	Method	TBLASTX:Maize
Start	5011	End	5476
GI	none	Score	55
Exons	5011..5475, 5114..5224, 5158..5340, 5294..5476		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o1.ts	Method	TBLASTX:Soybean
Start	5146	End	5610
GI	5509260	Score	58
Exons	5146..5610, 5165..5224, 5297..5392, 5441..5509		
GI Descrip.	-		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o1.tc	Method	TBLASTX:Cress
Start	5257	End	5517
GI	none	Score	62
Exons	5257..5517, 5438..5515		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o1.tw	Method	TBLASTX:Wheat
Start	5530	End	6285
GI	none	Score	192
Exons	5530..5769, 5531..5689, 5547..5777, 5550..5747, 5798..6277, 5821..6285		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o2.tc	Method	TBLASTX:Cress
Start	5911	End	6300
GI	none	Score	112
Exons	5911..6105, 6118..6300		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o3.ts	Method	TBLASTX:Soybean
Start	5935	End	6333
GI	none	Score	38
Exons	5935..6108, 6062..6100, 6109..6333, 6155..6325		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o5.tm	Method	TBLASTX:Maize
Start	6121	End	6555
GI	none	Score	84
Exons	6121..6555, 6146..6346		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o4.tw	Method	TBLASTX:Wheat
Start	6286	End	6477
GI	none	Score	186
Exons	6286..6477, 6286..6477		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o5.ts	Method	TBLASTX:Soybean
Start	6343	End	6729
GI	none	Score	88
Exons	6343..6591, 6574..6729		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	6756	End	7078
GI	none	Score	395
Exons	6756..6923, 6757..7071, 6758..7051, 6824..7078		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o3.tm	Method	TBLASTX:Maize
Start	7577	End	7860
GI	none	Score	278
Exons	7577..7858, 7579..7860		

Seq. No.	9424	Seq. ID	OJ991110_07.0225.C12
Gene No.	20184	Strand	-
Start	4114	End	7862
Name	OJ991110_07.0225.C12.o5.tw	Method	TBLASTX:Wheat
Start	7638	End	7860
GI	none	Score	180
Exons	7638..7859, 7639..7860, 7640..7846, 7642..7860		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20185	Strand	+
Start	1	End	15504
Name	OJ991110_02.0225.C1.o4.np	Method	AAT/NAP
Start	1	End	15504
GI	4680183	Score	187
Exons	1..184, 14739..14809, 15415..15504		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20185	Strand	+
Start	1	End	15504
Name	OJ991110_02.0225.C1.o3.np	Method	AAT/NAP
Start	13313	End	15303
GI	6539570	Score	149
Exons	13313..13546, 15265..15303		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o1.np	Method	AAT/NAP
Start	1	End	6284
GI	2827621	Score	744
Exons	1..257, 1554..1796, 1895..2059, 2226..2900, 2984..3133, 3243..3335, 3949..4069, 4929..5092, 6192..6284		

GI Descrip. (AL021636) putative protein [Arabidopsis thaliana]

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o2.tm	Method	TBLASTX:Maize
Start	1550	End	2342
GI	none	Score	39
Exons	1550..1585, 1553..1795, 1584..1688, 1609..1803, 1755..1796, 1882..2061, 1895..2062, 1898..2056, 1905..2087, 2219..2341, 2223..2342, 2223..2342		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o1.gs	Method	GENSCAN
Start	1554	End	13056
GI	none	Score	.82
Exons	1554..1796, 1895..2059, 2226..2899, 3025..3133, 3243..3335, 4964..5092, 5737..5756, 6192..6323, 6525..6690, 8095..8220, 8780..8864, 9475..9564, 10651..10803, 10856..11037, 11117..11318, 12917..13056		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o2.ts	Method	TBLASTX:Soybean
Start	1898	End	2597
GI	none	Score	77
Exons	1898..2062, 1898..2056, 2215..2367, 2223..2381, 2451..2597, 2452..2571		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o3.tm	Method	TBLASTX:Maize
Start	2470	End	3124
GI	none	Score	192
Exons	2470..2664, 2471..2650, 2472..2672, 2636..2755, 2636..2758, 2637..2759, 2658..2759, 2869..2895, 3021..3119, 3025..3120, 3026..3121, 3026..3124		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o4.tm	Method	TBLASTX:Maize
Start	3932	End	6317

GI	none	Score	153
Exons	3932..4045, 3948..4046, 3949..4047, 3958..4047, 4946..5116, 4964..5092, 5001..5093, 6176..6259, 6177..6257, 6192..6317, 6211..6279		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o1.gp	Method	AAT/GAP
Start	7956	End	11218
GI	20862_1.R1084	Score	1511
Exons	7956..8220, 8484..8578, 8780..8864, 9475..9564, 10651..10758, 10856..11037, 11117..11218		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-102 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o2.np	Method	AAT/NAP
Start	8175	End	11043
GI	2982322	Score	778
Exons	8175..8220, 8484..8578, 8780..8864, 9475..9564, 10651..10758, 10856..11043		
GI Descrip.	(AF051246) probable proteasome subunit [Picea mariana]		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o1.tc	Method	TBLASTX:Cress
Start	8483	End	11052
GI	none	Score	80
Exons	8483..8578, 8484..8594, 8760..8867, 8762..8866, 8776..8880, 8778..8867, 9471..9566, 9474..9566, 9478..9567, 10650..10757, 10651..10758, 10853..11038, 10855..11052		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	8483	End	11052
GI	none	Score	76
Exons	8483..8578, 8484..8555, 8734..8853, 8780..8866, 8781..8864, 8781..8867, 9471..9566, 9474..9566, 9475..9567, 10648..10725, 10650..10757, 10651..10758, 10853..11038, 10855..11052, 10855..11046, 10971..11051		

Seq. No.	9425	Seq. ID	OJ991110_02.0225.C1
Gene No.	20186	Strand	-
Start	1	End	13056
Name	OJ991110_02.0225.C1.o1.ts	Method	TBLASTX:Soybean
Start	9480	End	11039
GI	none	Score	83
Exons	9480..9563, 9480..9566, 9481..9567, 9481..9567, 10648..10710, 10650..10757, 10651..10755, 10855..11037, 10859..11038, 10971..11039		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20187	Strand	+
Start	6501	End	9471
Name	OJ991110_02.0225.C2.o1.gp	Method	AAT/GAP
Start	6372	End	9471
GI	3133_1.R1084	Score	1977
Exons	6372..7133, 9188..9471		
GI Descrip.	'5903092/gb|AAD55650.1|AC008017_23 8.0e-76 (AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]'		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20187	Strand	+
Start	6501	End	9471
Name	OJ991110_02.0225.C2.o3.gs	Method	GENSCAN
Start	6501	End	7118
GI	none	Score	.98
Exons	6501..7118		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20187	Strand	+
Start	6501	End	9471
Name	OJ991110_02.0225.C2.o3.np	Method	AAT/NAP
Start	6501	End	7115
GI	5903092	Score	857
Exons	6501..7115		
GI Descrip.	(AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20188	Strand	+
Start	10602	End	11936
Name	OJ991110_02.0225.C2.o4.gs	Method	GENSCAN
Start	10602	End	11936
GI	none	Score	.77
Exons	10602..10616, 11011..11237, 11837..11936		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20189	Strand	-
Start	1	End	5575
Name	OJ991110_02.0225.C2.o1.np	Method	AAT/NAP
Start	1	End	1812
GI	5922620	Score	359
Exons	1..23, 386..470, 507..683, 731..892, 1602..1812		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20189	Strand	-
Start	1	End	5575
Name	OJ991110_02.0225.C2.o2.np	Method	AAT/NAP
Start	1	End	5575
GI	6330472	Score	63
Exons	1..66, 3316..3438, 5244..5575		

GI Descrip. (AB033031) KIAA1205 protein [Homo sapiens]

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20189	Strand	-
Start	1	End	5575
Name	OJ991110_02.0225.C2.o1.gs	Method	GENSCAN
Start	330	End	998
GI	none	Score	.68
Exons	330..470, 715..825, 963..998		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20190	Strand	
Start	6483	End	9265
Name	OJ991110_02.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	6483	End	9265
GI	none	Score	137
Exons	6483..6578, 6488..7018, 6636..7019, 6956..7060, 6957..7088, 7044..7124, 7065..7124, 9200..9265, 9201..9263		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20190	Strand	
Start	6483	End	9265
Name	OJ991110_02.0225.C2.o1.ts	Method	TBLASTX:Soybean
Start	6486	End	7118
GI	none	Score	111
Exons	6486..6578, 6491..6676, 6636..6677, 6677..6700, 6678..6734, 6735..6917, 6747..6884, 6749..6916, 6917..7018, 6918..7019, 6956..7033, 6957..7034, 7065..7118		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20190	Strand	
Start	6483	End	9265
Name	OJ991110_02.0225.C2.o1.tw	Method	TBLASTX:Wheat
Start	6491	End	6796
GI	none	Score	137
Exons	6491..6796, 6492..6578, 6636..6794, 6755..6796		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20190	Strand	
Start	6483	End	9265
Name	OJ991110_02.0225.C2.o1.tc	Method	TBLASTX:Cress
Start	6500	End	7118
GI	none	Score	111
Exons	6500..7015, 6501..6578, 6636..7019, 7065..7118		

Seq. No.	9426	Seq. ID	OJ991110_02.0225.C2
Gene No.	20191	Strand	
Start	10862	End	11167
Name	OJ991110_02.0225.C2.o2.tm	Method	TBLASTX:Maize
Start	10862	End	11167
GI	none	Score	116
Exons	10862..11011, 10871..11011, 10872..11012, 10941..11012, 11026..11100, 11050..11079, 11095..11145, 11096..11167, 11124..11165		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20192	Strand	+

Start	1449	End	5452
Name	OJ991110_02.0225.C3.o1.np	Method	AAT/NAP
Start	1449	End	4846
GI	5454192	Score	473
Exons	1449..1535, 4238..4846		
GI Descrip.	(AC005698) T3P18.6 [Arabidopsis thaliana]		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20192	Strand	+
Start	1449	End	5452
Name	OJ991110_02.0225.C3.o2.gs	Method	GENSCAN
Start	3077	End	3428
GI	none	Score	.46
Exons	3077..3241, 3246..3428		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20192	Strand	+
Start	1449	End	5452
Name	OJ991110_02.0225.C3.o1.gp	Method	AAT/GAP
Start	4008	End	4519
GI	none	Score	972
Exons	4008..4519		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20192	Strand	+
Start	1449	End	5452
Name	OJ991110_02.0225.C3.o3.gs	Method	GENSCAN
Start	4076	End	4843
GI	none	Score	1
Exons	4076..4843		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20192	Strand	+
Start	1449	End	5452
Name	OJ991110_02.0225.C3.o2.gp	Method	AAT/GAP
Start	4718	End	5452
GI	36398_1.R1084	Score	868
Exons	4718..4900, 5190..5452		
GI Descrip.	'1531756/emb|CAA57810| 2.0e-16 (X82413) proline-rich-like protein [Asparagus officinalis]'		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20193	Strand	+
Start	6756	End	7331
Name	OJ991110_02.0225.C3.o3.gp	Method	AAT/GAP
Start	6756	End	7331
GI	none	Score	1064
Exons	6756..7331		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20194	Strand	+
Start	40039	End	43620
Name	OJ991110_02.0225.C3.o14.gp	Method	AAT/GAP
Start	40039	End	43620
GI	19237_1.R1084	Score	1828
Exons	40039..40194, 40299..40342, 41450..41564, 41900..41963, 42047..42163, 42258..42366, 43232..43620		

GI Descrip. '4567246/gb|AAD23660.1|AC007070_9 2.0e-55 (AC007070) unknown protein [Arabidopsis thaliana]'

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20194	Strand	+
Start	40039	End	43620
Name	OJ991110_02.0225.C3.o6.np	Method	AAT/NAP
Start	40082	End	43323
GI	4567246	Score	383
Exons	40082..40181, 40298..40342, 41462..41564, 41900..41963, 42047..42129, 42260..42366, 43232..43323		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20195	Strand	+
Start	49861	End	71375
Name	OJ991110_02.0225.C3.o15.gp	Method	AAT/GAP
Start	49797	End	55310
GI	150_1.R1084	Score	5726
Exons	49797..50125, 51992..52566, 52729..53108, 53195..53281, 53379..53709, 53880..54290, 54373..54432, 54541..55310		
GI Descrip.	'1747294/dbj|BAA08232| 0.0e+00 (D45383) vacuolar H+-pyrophosphatase [Oryza sativa]'		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20195	Strand	+
Start	49861	End	71375
Name	OJ991110_02.0225.C3.o11.gs	Method	GENSCAN
Start	49861	End	69970
GI	none	Score	.6
Exons	49861..50125, 51992..52566, 52729..53108, 53195..53281, 53379..53709, 53880..54290, 54373..54432, 54541..54737, 56194..56377, 56415..56456, 56486..56545, 56776..56982, 57059..58189, 59463..62261, 63464..63675, 65009..66179, 67587..69192, 69951..69970		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20195	Strand	+
Start	49861	End	71375
Name	OJ991110_02.0225.C3.o7.np	Method	AAT/NAP
Start	49861	End	54744
GI	1747294	Score	3670
Exons	49861..50125, 51992..52566, 52729..53108, 53195..53281, 53379..53709, 53880..54290, 54373..54432, 54541..54744		
GI Descrip.	(D45383) vacuolar H+-pyrophosphatase [Oryza sativa]		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20195	Strand	+
Start	49861	End	71375
Name	OJ991110_02.0225.C3.o8.np	Method	AAT/NAP
Start	53901	End	71375
GI	2258315	Score	471
Exons	53901..53977, 56745..57030, 57095..58156, 59463..59612, 59706..60146, 60715..61025, 65358..65592, 65635..65685, 71297..71375		
GI Descrip.	(AF004878) resistance complex protein I2C-1 [Lycopersicon esculentum]		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20195	Strand	+
Start	49861	End	71375
Name	OJ991110_02.0225.C3.o16.gp	Method	AAT/GAP
Start	68629	End	69007
GI	2311430	Score	714
Exons	68629..69007		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20196	Strand	-
Start	6219	End	9669
Name	OJ991110_02.0225.C3.o4.gs	Method	GENSCAN
Start	6219	End	9525
GI	none	Score	.63
Exons	6219..6452, 7208..7543, 7634..7668, 7812..7911, 8333..8458, 8550..8667, 9163..9256, 9435..9525		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20196	Strand	-
Start	6219	End	9669
Name	OJ991110_02.0225.C3.o2.np	Method	AAT/NAP
Start	7160	End	9669
GI	3820620	Score	767
Exons	7160..7543, 7634..7674, 7812..7911, 8005..8082, 8157..8207, 8333..8458, 8550..8618, 9163..9220, 9295..9346, 9435..9669		
GI Descrip.	(AF099970) putative formamidopyrimidine-DNA glycosylase 1 [Arabidopsis thaliana]		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20196	Strand	-
Start	6219	End	9669
Name	OJ991110_02.0225.C3.o4.gp	Method	AAT/GAP
Start	7502	End	7888
GI	LIB3431-008-P1-K1-E9	Score	360
Exons	7502..7668, 7812..7888		
GI Descrip.	'3550982/dbj|BAA32702| 1.0e-10 (AB010690) mutM homologue-1 [Arabidopsis thaliana] >gi_5903053_gb_AAD55612.1_AC008016_22 (AC008016) Identical to gb_AB010690 mutM homologue-1 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20196	Strand	-
Start	6219	End	9669
Name	OJ991110_02.0225.C3.o5.gp	Method	AAT/GAP
Start	9163	End	9433
GI	LIB3431-058-P1-K1-A9	Score	169
Exons	9163..9220, 9295..9346, 9404..9433		
GI Descrip.	'3550983/dbj|BAA32703| 5.0e-34 (AB010690) mutM homologue-2 [Arabidopsis thaliana] >gi_3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] >gi_5903054_gb_AAD55613.1_AC008016_23 (AC008016) Identical to gb_AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20196	Strand	-
Start	6219	End	9669
Name	OJ991110_02.0225.C3.o6.gp	Method	AAT/GAP
Start	9163	End	9507
GI	LIB3431-058-P1-K1-A9	Score	287
Exons	9163..9220, 9295..9346, 9435..9507		
GI Descrip.	'3550983/dbj|BAA32703| 5.0e-34 (AB010690) mutM homologue-2 [Arabidopsis thaliana] >gi_3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] >gi_5903054_gb_AAD55613.1_AC008016_23 (AC008016) Identical to gb_AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20197	Strand	-
Start	11960	End	15011
Name	OJ991110_02.0225.C3.o7.gp	Method	AAT/GAP
Start	11960	End	12337
GI	700067	Score	723
Exons	11960..12337		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20197	Strand	-
Start	11960	End	15011
Name	OJ991110_02.0225.C3.o3.np	Method	AAT/NAP
Start	12224	End	14920
GI	2980781	Score	607
Exons	12224..12854, 14472..14596, 14698..14920		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20197	Strand	-
Start	11960	End	15011
Name	OJ991110_02.0225.C3.o8.gp	Method	AAT/GAP
Start	12822	End	15011
GI	66948_1.R1084	Score	975
Exons	12822..12896, 14059..14113, 14501..14596, 14698..15011		
GI Descrip.	'4539340/emb|CAB37488.1| 2.0e-11 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20197	Strand	-
Start	11960	End	15011
Name	OJ991110_02.0225.C3.o6.gs	Method	GENSCAN
Start	13583	End	14963
GI	none	Score	.78
Exons	13583..13699, 14059..14113, 14501..14596, 14698..14963		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20198	Strand	-
Start	19437	End	27145
Name	OJ991110_02.0225.C3.o9.gp	Method	AAT/GAP
Start	18943	End	20763
GI	20680_1.R1084	Score	1992
Exons	18943..19713, 20293..20420, 20589..20763		

GI Descrip. '1854378/dbj|BAA19242| 5.0e-75 (AB001338) Sucrose-Phosphate Synthase [Saccharum officinarum]'

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20198	Strand	-
Start	19437	End	27145
Name	OJ991110_02.0225.C3.o8.gs	Method	GENSCAN
Start	19437	End	27145
GI	none	Score	.87
Exons	19437..19713, 20293..20405, 20589..21293, 21410..21472, 21866..22042, 22172..22303, 22486..22593, 22748..23446, 23638..23701, 24043..24251, 26576..26601, 26666..26755, 26918..27004, 27052..27145		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20198	Strand	-
Start	19437	End	27145
Name	OJ991110_02.0225.C3.o4.np	Method	AAT/NAP
Start	19440	End	27145
GI	1854378	Score	3962
Exons	19440..19713, 20293..20420, 20589..21293, 21410..21472, 21559..21612, 21866..22042, 22172..22303, 22486..22593, 22748..23446, 23638..23701, 24043..24251, 26666..26755, 26918..27036, 27076..27145		

GI Descrip. (AB001338) Sucrose-Phosphate Synthase [Saccharum officinarum]

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20198	Strand	-
Start	19437	End	27145
Name	OJ991110_02.0225.C3.o10.gp	Method	AAT/GAP
Start	20900	End	22804
GI	43672_1.R1084	Score	1766
Exons	20900..21293, 21410..21472, 21559..21612, 21866..22042, 22172..22303, 22486..22593, 22748..22804		

GI Descrip. '1854378/dbj|BAA19242| 1.0e-162 (AB001338) Sucrose-Phosphate Synthase [Saccharum officinarum]'

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o12.tm	Method	TBLASTX:Maize
Start	4576	End	4834
GI	none	Score	173
Exons	4576..4737, 4577..4777, 4589..4768, 4769..4834		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o6.ts	Method	TBLASTX:Soybean
Start	4576	End	4849
GI	none	Score	333
Exons	4576..4848, 4577..4849		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o4.tc	Method	TBLASTX:Cress

Start	4585	End	4843
GI	none	Score	326
Exons	4585..4839, 4589..4843		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o7.tm	Method	TBLASTX:Maize
Start	7434	End	8368
GI	none	Score	65
Exons	7434..7463, 7484..7543, 7491..7532, 7625..7669, 7631..7669, 7794..7913, 7801..7932, 7807..7923, 7992..8093, 7999..8094, 8000..8083, 8002..8091, 8157..8210, 8158..8265, 8159..8224, 8169..8258, 8328..8366, 8328..8366, 8330..8368, 8330..8368		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o2.tc	Method	TBLASTX:Cress
Start	7472	End	9645
GI	none	Score	68
Exons	7472..7543, 7619..7675, 7804..7923, 7807..7914, 7840..7920, 7999..8094, 8003..8080, 8149..8202, 8169..8216, 8333..8458, 8334..8459, 8554..8628, 8559..8621, 9160..9228, 9167..9223, 9294..9347, 9295..9327, 9433..9537, 9434..9520, 9595..9645		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o10.tm	Method	TBLASTX:Maize
Start	8369	End	9532
GI	none	Score	85
Exons	8369..8455, 8369..8458, 8380..8457, 8400..8459, 8550..8618, 8551..8616, 9160..9231, 9170..9232, 9288..9347, 9297..9347, 9433..9531, 9434..9532		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o8.ts	Method	TBLASTX:Soybean
Start	8577	End	9645
GI	none	Score	92
Exons	8577..8621, 9160..9231, 9294..9347, 9433..9537, 9434..9520, 9592..9645		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o3.ts	Method	TBLASTX:Soybean
Start	12213	End	14837
GI	none	Score	62
Exons	12213..12803, 12301..12378, 12469..12798, 14692..14826, 14694..14771, 14694..14837		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145

Name	OJ991110_02.0225.C3.o8.tc	Method	TBLASTX:Cress
Start	12213	End	12645
GI	none	Score	60
Exons	12213..12644, 12304..12378, 12469..12645		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o5.tm	Method	TBLASTX:Maize
Start	12465	End	12804
GI	none	Score	422
Exons	12465..12803, 12469..12804		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o14.tm	Method	TBLASTX:Maize
Start	14026	End	14744
GI	none	Score	82
Exons	14026..14112, 14060..14113, 14060..14119, 14064..14114, 14065..14115, 14500..14544, 14501..14599, 14529..14576, 14673..14741, 14694..14744		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o6.tm	Method	TBLASTX:Maize
Start	19321	End	20696
GI	none	Score	51
Exons	19321..19371, 19322..19357, 19326..19373, 19329..19382, 19429..19515, 19433..19696, 19434..19715, 19443..19715, 20286..20390, 20290..20418, 20291..20416, 20293..20418, 20586..20696, 20589..20690, 20590..20694		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o5.tw	Method	TBLASTX:Wheat
Start	19458	End	20360
GI	none	Score	119
Exons	19458..19715, 19479..19715, 20286..20360		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o9.ts	Method	TBLASTX:Soybean
Start	19506	End	19724
GI	none	Score	81
Exons	19506..19703, 19506..19724		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o5.ts	Method	TBLASTX:Soybean
Start	20313	End	22895
GI	none	Score	139
Exons	20313..20390, 20595..20780, 20596..20781, 20812..21066,		

20817..21065, 21078..21296, 21079..21213, 21102..21293,
21398..21475, 21402..21473, 21559..21615, 21854..22057,
21865..22032, 21867..22061, 22172..22306, 22173..22304,
22175..22312, 22734..22892, 22743..22895, 22751..22894

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o6.tc	Method	TBLASTX:Cress
Start	20659	End	21062
GI	none	Score	81
Exons	20659..20799, 20688..20798, 20805..21062, 20806..21054		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o2.tm	Method	TBLASTX:Maize
Start	20730	End	22025
GI	none	Score	75
Exons	20730..20795, 20730..21296, 20731..21294, 20847..21296, 21131..21307, 21407..21475, 21410..21475, 21417..21482, 21551..21613, 21553..21615, 21559..21615, 21854..22018, 21865..22023, 21865..22023, 21867..22025		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	20943	End	21461
GI	none	Score	420
Exons	20943..21296, 20943..21296, 21402..21461, 21405..21461		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o5.tc	Method	TBLASTX:Cress
Start	21081	End	21965
GI	none	Score	67
Exons	21081..21158, 21082..21159, 21138..21191, 21180..21296, 21183..21290, 21254..21295, 21398..21475, 21402..21482, 21413..21496, 21559..21615, 21854..21964, 21867..21965		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o4.tw	Method	TBLASTX:Wheat
Start	21562	End	22518
GI	none	Score	76
Exons	21562..21615, 21563..21613, 21854..22057, 21866..22042, 21870..22058, 22172..22306, 22173..22304, 22175..22312, 22182..22310, 22471..22518		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o9.tm	Method	TBLASTX:Maize
Start	22172	End	22961

GI	none	Score	170
Exons	22172..22309, 22173..22304, 22175..22312, 22261..22311, 22471..22506, 22510..22590, 22510..22635, 22743..22961, 22745..22960		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o2.ts	Method	TBLASTX:Soybean
Start	22898	End	23350
GI	none	Score	123
Exons	22898..23269, 22899..23039, 23097..23270, 23306..23350		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o11.tm	Method	TBLASTX:Maize
Start	22964	End	23209
GI	none	Score	101
Exons	22964..23209, 22970..23209		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o9.tc	Method	TBLASTX:Cress
Start	23255	End	23704
GI	none	Score	135
Exons	23255..23446, 23265..23447, 23326..23451, 23332..23469, 23626..23703, 23636..23704		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o13.tm	Method	TBLASTX:Maize
Start	26663	End	27133
GI	none	Score	127
Exons	26663..26746, 26666..26758, 26670..26750, 26897..27031, 26924..27034, 27095..27133		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o10.tc	Method	TBLASTX:Cress
Start	26666	End	27133
GI	none	Score	81
Exons	26666..26743, 26666..26758, 26670..26756, 26897..27025, 27095..27133		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o9.gs	Method	GENSCAN
Start	28111	End	35381
GI	none	Score	.82
Exons	28111..28205, 29520..29714, 30181..30333, 30850..30944, 31703..31828, 31965..32086, 32290..32510, 33065..33203, 33818..34041, 34358..34469, 34939..35139, 35214..35381		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o11.gp	Method	AAT/GAP
Start	31046	End	31800
GI	none	Score	958
Exons	31046..31461, 31703..31800		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o4.tm	Method	TBLASTX:Maize
Start	31389	End	35391
GI	none	Score	70
Exons	31389..31463, 31692..31865, 31702..31866, 31702..31866, 31703..31870, 31963..32070, 31964..32086, 31965..32087, 32248..32511, 32281..32511, 32291..32512, 32291..32524, 32385..32528, 33060..33203, 33066..33203, 33067..33204, 33814..34044, 33816..34043, 33817..34044, 33818..34048, 33819..34070, 34357..34431, 34364..34471, 34364..34471, 34371..34475, 34939..35040, 34940..35032, 34999..35142, 35038..35142, 35211..35387, 35212..35391		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o5.np	Method	AAT/NAP
Start	31672	End	35377
GI	4160280	Score	1317
Exons	31672..31864, 31965..32086, 32290..32510, 33065..33203, 33818..34041, 34358..34469, 34939..35139, 35214..35377		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o4.ts	Method	TBLASTX:Soybean
Start	31680	End	35349
GI	none	Score	147
Exons	31680..31856, 31684..31857, 31702..31863, 31703..31876, 31965..32087, 31967..32086, 32290..32511, 32291..32512, 33060..33218, 33066..33203, 33067..33204, 33818..33922, 33822..33926, 33898..34041, 33912..34043, 33923..34048, 34355..34471, 34357..34458, 34374..34475, 34934..35140, 34939..35142, 34939..35142, 35211..35321, 35212..35349		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o3.tc	Method	TBLASTX:Cress
Start	31698	End	35316
GI	none	Score	168
Exons	31698..31853, 31702..31866, 31703..31876, 31964..32086, 31965..32087, 32281..32511, 32291..32512, 33060..33218, 33070..33162, 33817..33912, 33824..33922, 33830..33922, 33923..34048, 33924..34043, 33925..34056, 34357..34434,		

34374..34475, 34934..35140, 34939..35142, 35211..35315, 35212..35316

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o12.gp	Method	AAT/GAP
Start	32056	End	34036
GI	20922_1.R1084	Score	1156
Exons	32056..32086, 32290..32510, 33065..33203, 33818..34036		
GI Descrip.	'2344871/emb|CAA04644| 1.0e-83 (AJ001270) purple acid phosphatase precursor [Phaseolus vulgaris]'		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20199	Strand	-
Start	28111	End	36145
Name	OJ991110_02.0225.C3.o13.gp	Method	AAT/GAP
Start	34915	End	36145
GI	52534_1.R1084	Score	820
Exons	34915..35139, 35214..35417, 36083..36145		
GI Descrip.	'4160280/emb|CAA06921| 7.0e-23 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20200	Strand	
Start	41460	End	43311
Name	OJ991110_02.0225.C3.o8.tm	Method	TBLASTX:Maize
Start	41460	End	42379
GI	none	Score	127
Exons	41460..41567, 41466..41564, 41467..41568, 41467..41568, 41489..41626, 41900..41971, 41901..41951, 42045..42164, 42046..42168, 42047..42166, 42047..42172, 42255..42296, 42260..42379, 42261..42365, 42263..42367		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20200	Strand	
Start	41460	End	43311
Name	OJ991110_02.0225.C3.o7.ts	Method	TBLASTX:Soybean
Start	41467	End	43311
GI	none	Score	130
Exons	41467..41568, 41478..41567, 41900..41971, 41901..41951, 42046..42168, 42047..42166, 42260..42379, 42261..42365, 43231..43311		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20200	Strand	
Start	41460	End	43311
Name	OJ991110_02.0225.C3.o7.tc	Method	TBLASTX:Cress
Start	41475	End	42379
GI	none	Score	67
Exons	41475..41558, 41484..41558, 41485..41568, 41901..41951, 41906..41971, 41908..41958, 42045..42164, 42046..42162, 42047..42166, 42053..42172, 42261..42365, 42263..42379, 42266..42367		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20201	Strand	

Start	49855	End	54749
Name	OJ991110_02.0225.C3.o3.tm	Method	TBLASTX:Maize
Start	49855	End	52308
GI	none	Score	108
Exons	49855..49986, 49857..49964, 50037..50129, 50092..50127, 51989..52141, 51990..52307, 51990..52307, 51991..52308		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20201	Strand	
Start	49855	End	54749
Name	OJ991110_02.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	49864	End	54738
GI	none	Score	77
Exons	49864..49989, 50092..50127, 51984..52112, 51990..52571, 51991..52569, 51991..52575, 52728..53108, 52729..53133, 52774..53160, 53190..53273, 53196..53279, 53207..53275, 53376..53708, 53377..53709, 53380..53709, 53387..53713, 53514..53711, 53791..53829, 53875..54210, 53876..54286, 53880..54248, 54358..54432, 54369..54434, 54372..54431, 54539..54631, 54540..54737, 54541..54738		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20201	Strand	
Start	49855	End	54749
Name	OJ991110_02.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	49867	End	54749
GI	none	Score	66
Exons	49867..49980, 50092..50127, 51989..52141, 51990..52487, 51990..52571, 51991..52569, 52155..52214, 52314..52352, 52728..53108, 52729..53109, 52855..53172, 53190..53279, 53196..53279, 53210..53281, 53373..53471, 53376..53708, 53377..53709, 53505..53711, 53876..54289, 53880..54248, 54357..54431, 54358..54432, 54362..54433, 54536..54745, 54538..54747, 54540..54749, 54541..54747		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20201	Strand	
Start	49855	End	54749
Name	OJ991110_02.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	52308	End	54747
GI	none	Score	203
Exons	52308..52487, 52308..52571, 52309..52569, 52728..53108, 52729..53133, 52774..53157, 53193..53279, 53194..53322, 53196..53279, 53376..53708, 53377..53709, 53378..53710, 53876..54289, 53877..54293, 53880..54248, 54244..54291, 54296..54442, 54354..54449, 54540..54746, 54540..54746, 54541..54747		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20201	Strand	
Start	49855	End	54749
Name	OJ991110_02.0225.C3.o3.tw	Method	TBLASTX:Wheat
Start	53188	End	53679
GI	none	Score	74
Exons	53188..53280, 53196..53282, 53207..53275, 53373..53678, 53377..53646, 53380..53679, 53381..53677		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20201	Strand	
Start	49855	End	54749
Name	OJ991110_02.0225.C3.o2.tw	Method	TBLASTX:Wheat
Start	53988	End	54569
GI	none	Score	414
Exons	53988..54248, 53996..54298, 53996..54289, 54357..54431, 54358..54432, 54359..54433, 54369..54443, 54540..54569, 54541..54567		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20201	Strand	
Start	49855	End	54749
Name	OJ991110_02.0225.C3.o6.tw	Method	TBLASTX:Wheat
Start	54570	End	54738
GI	none	Score	270
Exons	54570..54737, 54571..54738, 54586..54738		

Seq. No.	9427	Seq. ID	OJ991110_02.0225.C3
Gene No.	20202	Strand	
Start	57539	End	58105
Name	OJ991110_02.0225.C3.o10.ts	Method	TBLASTX:Soybean
Start	57539	End	58105
GI	none	Score	51
Exons	57539..57583, 57602..57934, 57947..58105		

Seq. No.	9428	Seq. ID	OJ991110_02.0225.C4
Gene No.	20203	Strand	+
Start	2261	End	4532
Name	OJ991110_02.0225.C4.o2.np	Method	AAT/NAP
Start	1883	End	3986
GI	4406801	Score	346
Exons	1883..1957, 2378..2539, 3430..3581, 3800..3986		
GI Descrip.	(AC006304) unknown protein [Arabidopsis thaliana]		

Seq. No.	9428	Seq. ID	OJ991110_02.0225.C4
Gene No.	20203	Strand	+
Start	2261	End	4532
Name	OJ991110_02.0225.C4.o2.gs	Method	GENSCAN
Start	2261	End	4521
GI	none	Score	.84
Exons	2261..2639, 2732..2805, 3430..3570, 3864..3976, 4389..4521		

Seq. No.	9428	Seq. ID	OJ991110_02.0225.C4
Gene No.	20203	Strand	+
Start	2261	End	4532
Name	OJ991110_02.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	2369	End	4440
GI	none	Score	239
Exons	2369..2539, 2452..2529, 3427..3570, 3429..3572, 3429..3569, 4357..4440		

Seq. No.	9428	Seq. ID	OJ991110_02.0225.C4
Gene No.	20203	Strand	+
Start	2261	End	4532
Name	OJ991110_02.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	2369	End	4440

GI	none	Score	256
Exons	2369..2539, 2449..2538, 3427..3537, 3429..3536, 4357..4440		

Seq. No.	9428	Seq. ID	OJ991110_02.0225.C4
Gene No.	20203	Strand	+
Start	2261	End	4532
Name	OJ991110_02.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	3391	End	4532
GI	none	Score	69
Exons	3391..3537, 3427..3570, 3427..3570, 3429..3572, 3433..3549, 3861..3977, 3862..3987, 3862..3981, 4132..4212, 4134..4214, 4134..4214, 4135..4215, 4355..4516, 4356..4463, 4356..4532, 4357..4440, 4357..4521		

Seq. No.	9428	Seq. ID	OJ991110_02.0225.C4
Gene No.	20203	Strand	+
Start	2261	End	4532
Name	OJ991110_02.0225.C4.o2.ts	Method	TBLASTX:Soybean
Start	3864	End	4521
GI	none	Score	194
Exons	3864..3977, 3865..3981, 3867..3977, 4134..4211, 4134..4214, 4135..4215, 4441..4521, 4443..4520		

Seq. No.	9429	Seq. ID	OJ991110_02.0225.C5
Gene No.	20204	Strand	-
Start	1	End	672
Name	OJ991110_02.0225.C5.o1.np	Method	AAT/NAP
Start	1	End	672
GI	5902445	Score	1111
Exons	1..672		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9429	Seq. ID	OJ991110_02.0225.C5
Gene No.	20204	Strand	-
Start	1	End	672
Name	OJ991110_02.0225.C5.o1.gs	Method	GENSCAN
Start	31	End	579
GI	none	Score	.58
Exons	31..579		

Seq. No.	9429	Seq. ID	OJ991110_02.0225.C5
Gene No.	20205	Strand	-
Start	739	End	869
Name	OJ991110_02.0225.C5.o2.tm	Method	TBLASTX:Maize
Start	1	End	237
GI	none	Score	70
Exons	1..237, 5..109, 194..235		

Seq. No.	9429	Seq. ID	OJ991110_02.0225.C5
Gene No.	20205	Strand	-
Start	739	End	869
Name	OJ991110_02.0225.C5.o2.tw	Method	TBLASTX:Wheat
Start	1	End	271
GI	none	Score	143
Exons	1..270, 11..271		

Seq. No.	9429	Seq. ID	OJ991110_02.0225.C5

Gene No.	20205	Strand	-
Start	739	End	869
Name	OJ991110_02.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	241	End	597
GI	none	Score	199
Exons	241..597, 251..556		

Seq. No.	9429	Seq. ID	OJ991110_02.0225.C5
Gene No.	20205	Strand	-
Start	739	End	869
Name	OJ991110_02.0225.C5.o1.tw	Method	TBLASTX:Wheat
Start	271	End	727
GI	none	Score	244
Exons	271..726, 272..727		

Seq. No.	9429	Seq. ID	OJ991110_02.0225.C5
Gene No.	20205	Strand	-
Start	739	End	869
Name	OJ991110_02.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	322	End	687
GI	none	Score	131
Exons	322..456, 463..687		

Seq. No.	9429	Seq. ID	OJ991110_02.0225.C5
Gene No.	20205	Strand	-
Start	739	End	869
Name	OJ991110_02.0225.C5.o2.np	Method	AAT/NAP
Start	739	End	869
GI	5902444	Score	181
Exons	739..869		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9430	Seq. ID	OJ991110_02.0225.C7
Gene No.	20206	Strand	+
Start	325	End	360
Name	OJ991110_02.0225.C7.o1.gs	Method	GENSCAN
Start	325	End	360
GI	none	Score	.59
Exons	325..360		

Seq. No.	9431	Seq. ID	OJ991110_02.0225.C8
Gene No.	20207	Strand	+
Start	1	End	248
Name	OJ991110_02.0225.C8.o1.np	Method	AAT/NAP
Start	1	End	248
GI	1363528	Score	113
Exons	1..248		
GI Descrip.	gag protein - maize gi|507845 (U11059) gag gene product [Zea mays]		

Seq. No.	9432	Seq. ID	OJ991110_02.0225.C9
Gene No.	20208	Strand	+
Start	1	End	675
Name	OJ991110_02.0225.C9.o1.np	Method	AAT/NAP
Start	1	End	675
GI	5852179	Score	231
Exons	1..208, 283..471, 581..675		

GI Descrip. (AL117265) zhb0009.1 [Oryza sativa]

Seq. No.	9432	Seq. ID	OJ991110_02.0225.C9
Gene No.	20209	Strand	-
Start	75	End	542
Name	OJ991110_02.0225.C9.o1.gs	Method	GENSCAN
Start	75	End	542
GI	none	Score	.49
Exons	75..225, 231..542		

Seq. No.	9433	Seq. ID	OJ991110_02.0225.C11
Gene No.	20210	Strand	+
Start	1	End	365
Name	OJ991110_02.0225.C11.o1.np	Method	AAT/NAP
Start	1	End	365
GI	4680183	Score	507
Exons	1..365		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	9433	Seq. ID	OJ991110_02.0225.C11
Gene No.	20210	Strand	+
Start	1	End	365
Name	OJ991110_02.0225.C11.o1.gs	Method	GENSCAN
Start	136	End	313
GI	none	Score	.65
Exons	136..313		

Seq. No.	9434	Seq. ID	OJ991110_02.0225.C12
Gene No.	20211	Strand	+
Start	53	End	189
Name	OJ991110_02.0225.C12.o1.gs	Method	GENSCAN
Start	53	End	189
GI	none	Score	.7
Exons	53..189		

Seq. No.	9434	Seq. ID	OJ991110_02.0225.C12
Gene No.	20212	Strand	-
Start	1	End	144
Name	OJ991110_02.0225.C12.o1.np	Method	AAT/NAP
Start	1	End	144
GI	6907089	Score	233
Exons	1..144		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	9435	Seq. ID	OJ991110_02.0225.C14
Gene No.	20213	Strand	-
Start	1	End	681
Name	OJ991110_02.0225.C14.o1.np	Method	AAT/NAP
Start	1	End	681
GI	4038056	Score	326
Exons	1..681		

GI Descrip. (AC005897) putative TNP2-like transposon protein [Arabidopsis thaliana]

Seq. No.	9435	Seq. ID	OJ991110_02.0225.C14
Gene No.	20213	Strand	-
Start	1	End	681

Name	OJ991110_02.0225.C14.o1.tw	Method	TBLASTX:Wheat
Start	62	End	475
GI	none	Score	69
Exons	62..181, 191..475, 225..383		

Seq. No.	9435	Seq. ID	OJ991110_02.0225.C14
Gene No.	20213	Strand	-
Start	1	End	681
Name	OJ991110_02.0225.C14.o1.ts	Method	TBLASTX:Soybean
Start	206	End	523
GI	none	Score	68
Exons	206..523, 216..428		

Seq. No.	9436	Seq. ID	OJ991110_02.0225.C15
Gene No.	20214	Strand	+
Start	1	End	686
Name	OJ991110_02.0225.C15.o1.np	Method	AAT/NAP
Start	1	End	686
GI	6630696	Score	1023
Exons	1..686		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	9436	Seq. ID	OJ991110_02.0225.C15
Gene No.	20214	Strand	+
Start	1	End	686
Name	OJ991110_02.0225.C15.o1.gs	Method	GENSCAN
Start	86	End	570
GI	none	Score	.99
Exons	86..311, 422..570		

Seq. No.	9436	Seq. ID	OJ991110_02.0225.C15
Gene No.	20214	Strand	+
Start	1	End	686
Name	OJ991110_02.0225.C15.o1.tm	Method	TBLASTX:Maize
Start	437	End	685
GI	none	Score	310
Exons	437..685, 439..684		

Seq. No.	9437	Seq. ID	OJ991110_02.0225.C16
Gene No.	20215	Strand	-
Start	1	End	681
Name	OJ991110_02.0225.C16.o1.np	Method	AAT/NAP
Start	1	End	681
GI	5902445	Score	1049
Exons	1..681		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9437	Seq. ID	OJ991110_02.0225.C16
Gene No.	20215	Strand	-
Start	1	End	681
Name	OJ991110_02.0225.C16.o1.tw	Method	TBLASTX:Wheat
Start	8	End	499
GI	none	Score	85
Exons	8..499, 237..344, 393..479		

Seq. No.	9437	Seq. ID	OJ991110_02.0225.C16
Gene No.	20215	Strand	-
Start	1	End	681
Name	OJ991110_02.0225.C16.o1.gs	Method	GENSCAN
Start	158	End	604
GI	none	Score	.64
Exons	158..604		

Seq. No.	9437	Seq. ID	OJ991110_02.0225.C16
Gene No.	20215	Strand	-
Start	1	End	681
Name	OJ991110_02.0225.C16.o1.tm	Method	TBLASTX:Maize
Start	269	End	542
GI	none	Score	49
Exons	269..367, 368..448, 378..452, 443..541, 444..542		

Seq. No.	9438	Seq. ID	OJ991110_02.0225.C18
Gene No.	20216	Strand	-
Start	214	End	329
Name	OJ991110_02.0225.C18.o1.gs	Method	GENSCAN
Start	214	End	329
GI	none	Score	.41
Exons	214..329		

Seq. No.	9439	Seq. ID	OJ991110_02.0225.C20
Gene No.	20217	Strand	+
Start	99	End	585
Name	OJ991110_02.0225.C20.o1.gs	Method	GENSCAN
Start	99	End	585
GI	none	Score	.62
Exons	99..264, 506..585		

Seq. No.	9440	Seq. ID	OJ991110_02.0225.C21
Gene No.	20218	Strand	-
Start	1	End	491
Name	OJ991110_02.0225.C21.o1.np	Method	AAT/NAP
Start	1	End	491
GI	5668808	Score	201
Exons	1..133, 237..491		
GI Descrip.	(AC007519) F16N3.20 [Arabidopsis thaliana]		

Seq. No.	9440	Seq. ID	OJ991110_02.0225.C21
Gene No.	20218	Strand	-
Start	1	End	491
Name	OJ991110_02.0225.C21.o1.ts	Method	TBLASTX:Soybean
Start	3	End	410
GI	none	Score	97
Exons	3..149, 5..139, 234..410		

Seq. No.	9440	Seq. ID	OJ991110_02.0225.C21
Gene No.	20218	Strand	-
Start	1	End	491
Name	OJ991110_02.0225.C21.o1.tc	Method	TBLASTX:Cress
Start	5	End	407
GI	none	Score	88
Exons	5..130, 6..149, 234..407		

Seq. No.	9440	Seq. ID	OJ991110_02.0225.C21
Gene No.	20218	Strand	-
Start	1	End	491
Name	OJ991110_02.0225.C21.o1.tm	Method	TBLASTX:Maize
Start	11	End	453
GI	none	Score	153
Exons	11..133, 12..134, 237..425, 238..423, 370..453		

Seq. No.	9440	Seq. ID	OJ991110_02.0225.C21
Gene No.	20218	Strand	-
Start	1	End	491
Name	OJ991110_02.0225.C21.o1.gs	Method	GENSCAN
Start	20	End	440
GI	none	Score	.68
Exons	20..133, 156..440		

Seq. No.	9441	Seq. ID	OJ991110_02.0225.C22
Gene No.	20219	Strand	-
Start	1	End	1187
Name	OJ991110_02.0225.C22.o1.np	Method	AAT/NAP
Start	1	End	1187
GI	6907089	Score	1384
Exons	1..1187		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9441	Seq. ID	OJ991110_02.0225.C22
Gene No.	20219	Strand	-
Start	1	End	1187
Name	OJ991110_02.0225.C22.o1.gs	Method	GENSCAN
Start	95	End	1081
GI	none	Score	.7
Exons	95..1081		

Seq. No.	9442	Seq. ID	OJ991110_02.0225.C25
Gene No.	20220	Strand	-
Start	1	End	297
Name	OJ991110_02.0225.C25.o1.np	Method	AAT/NAP
Start	1	End	297
GI	4378066	Score	248
Exons	1..297		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	9442	Seq. ID	OJ991110_02.0225.C25
Gene No.	20220	Strand	-
Start	1	End	297
Name	OJ991110_02.0225.C25.o1.tw	Method	TBLASTX:Wheat
Start	3	End	267
GI	none	Score	115
Exons	3..266, 31..267		

Seq. No.	9443	Seq. ID	OJ991110_02.0225.C26
Gene No.	20221	Strand	+
Start	1	End	452
Name	OJ991110_02.0225.C26.o1.np	Method	AAT/NAP
Start	1	End	452

GI	6630696	Score	696
Exons	1..452		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	9443	Seq. ID	OJ991110_02.0225.C26
Gene No.	20221	Strand	+
Start	1	End	452
Name	OJ991110_02.0225.C26.o1.tm	Method	TBLASTX:Maize
Start	11	End	294
GI	none	Score	266
Exons	11..292, 15..293, 52..294		

Seq. No.	9443	Seq. ID	OJ991110_02.0225.C26
Gene No.	20221	Strand	+
Start	1	End	452
Name	OJ991110_02.0225.C26.o1.ts	Method	TBLASTX:Soybean
Start	129	End	446
GI	none	Score	114
Exons	129..263, 288..446		

Seq. No.	9443	Seq. ID	OJ991110_02.0225.C26
Gene No.	20221	Strand	+
Start	1	End	452
Name	OJ991110_02.0225.C26.o1.tw	Method	TBLASTX:Wheat
Start	150	End	452
GI	none	Score	90
Exons	150..224, 155..223, 157..225, 239..424, 245..451, 246..452, 246..449		

Seq. No.	9444	Seq. ID	OJ991020_05.0222.C1
Gene No.	20222	Strand	+
Start	689	End	2498
Name	OJ991020_05.0222.C1.o1.gs	Method	GENSCAN
Start	689	End	2498
GI	none	Score	.77
Exons	689..848, 1604..1683, 2216..2362, 2367..2498		

Seq. No.	9444	Seq. ID	OJ991020_05.0222.C1
Gene No.	20223	Strand	-
Start	1	End	909
Name	OJ991020_05.0222.C1.o1.np	Method	AAT/NAP
Start	1	End	909
GI	6063557	Score	399
Exons	1..45, 224..475, 724..909		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	9444	Seq. ID	OJ991020_05.0222.C1
Gene No.	20223	Strand	-
Start	1	End	909
Name	OJ991020_05.0222.C1.o1.gp	Method	AAT/GAP
Start	286	End	453
GI	uC-osflcyp169h02b1	Score	208
Exons	286..453		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	9445	Seq. ID	OJ991020_05.0222.C2
Gene No.	20224	Strand	+
Start	215	End	1216
Name	OJ991020_05.0222.C2.o1.gs	Method	GENSCAN
Start	215	End	1216
GI	none	Score	.83
Exons	215..267, 650..1130, 1160..1216		

Seq. No.	9445	Seq. ID	OJ991020_05.0222.C2
Gene No.	20225	Strand	-
Start	1	End	1845
Name	OJ991020_05.0222.C2.o1.np	Method	AAT/NAP
Start	1	End	1845
GI	5381253	Score	64
Exons	1..57, 235..538, 1803..1845		
GI Descrip.	(AB027752) peroxidase [Nicotiana tabacum]		

Seq. No.	9445	Seq. ID	OJ991020_05.0222.C2
Gene No.	20226	Strand	-
Start	2330	End	2446
Name	OJ991020_05.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	615	End	848
GI	none	Score	41
Exons	615..647, 636..848, 672..845		

Seq. No.	9445	Seq. ID	OJ991020_05.0222.C2
Gene No.	20226	Strand	-
Start	2330	End	2446
Name	OJ991020_05.0222.C2.o2.gs	Method	GENSCAN
Start	2330	End	2446
GI	none	Score	.97
Exons	2330..2446		

Seq. No.	9446	Seq. ID	OJ991020_05.0222.C3
Gene No.	20227	Strand	+
Start	97	End	496
Name	OJ991020_05.0222.C3.o1.gs	Method	GENSCAN
Start	97	End	496
GI	none	Score	.7
Exons	97..307, 429..496		

Seq. No.	9446	Seq. ID	OJ991020_05.0222.C3
Gene No.	20228	Strand	+
Start	3676	End	3850
Name	OJ991020_05.0222.C3.o1.gp	Method	AAT/GAP
Start	3676	End	3850
GI	15870_2.R1084	Score	271
Exons	3676..3850		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	9446	Seq. ID	OJ991020_05.0222.C3
Gene No.	20229	Strand	-
Start	3139	End	3550
Name	OJ991020_05.0222.C3.o2.gs	Method	GENSCAN
Start	3139	End	3550

GI	none	Score	.8
Exons	3139..3270, 3329..3550		

Seq. No.	9447	Seq. ID	OJ991020_05.0222.C4
Gene No.	20230	Strand	+
Start	8388	End	11268
Name	OJ991020_05.0222.C4.o3.gs	Method	GENSCAN
Start	8388	End	11220
GI	none	Score	.88
Exons	8388..8457, 8866..9021, 9344..9471, 9527..11220		

Seq. No.	9447	Seq. ID	OJ991020_05.0222.C4
Gene No.	20230	Strand	+
Start	8388	End	11268
Name	OJ991020_05.0222.C4.o1.np	Method	AAT/NAP
Start	8871	End	11268
GI	5042454	Score	2760
Exons	8871..9017, 9361..9471, 9527..10943, 11168..11268		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9447	Seq. ID	OJ991020_05.0222.C4
Gene No.	20230	Strand	+
Start	8388	End	11268
Name	OJ991020_05.0222.C4.o1.tw	Method	TBLASTX:Wheat
Start	10202	End	10594
GI	none	Score	58
Exons	10202..10249, 10256..10354, 10273..10353, 10321..10560, 10337..10594		

Seq. No.	9447	Seq. ID	OJ991020_05.0222.C4
Gene No.	20230	Strand	+
Start	8388	End	11268
Name	OJ991020_05.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	10207	End	10492
GI	none	Score	193
Exons	10207..10491, 10244..10492		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20231	Strand	+
Start	1	End	7224
Name	OJ991020_05.0222.C5.o1.np	Method	AAT/NAP
Start	1	End	7224
GI	6498441	Score	4720
Exons	1..100, 167..636, 700..1073, 1257..1391, 1566..1804, 1997..2481, 2653..3307, 6469..7224		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20231	Strand	+
Start	1	End	7224
Name	OJ991020_05.0222.C5.o1.gs	Method	GENSCAN
Start	136	End	4503
GI	none	Score	.51
Exons	136..636, 700..3291, 3760..4503		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20231	Strand	+
Start	1	End	7224
Name	OJ991020_05.0222.C5.o1.gp	Method	AAT/GAP
Start	5382	End	5766
GI	uC-osflcyp033a04b1	Score	616
Exons	5382..5766		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20231	Strand	+
Start	1	End	7224
Name	OJ991020_05.0222.C5.o3.gs	Method	GENSCAN
Start	5487	End	7211
GI	none	Score	.73
Exons	5487..5552, 6513..7211		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o3.tw	Method	TBLASTX:Wheat
Start	57	End	543
GI	none	Score	414
Exons	57..230, 58..543, 252..539		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	707	End	1170
GI	none	Score	87
Exons	707..883, 708..1169, 709..1170		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o3.ts	Method	TBLASTX:Soybean
Start	748	End	1113
GI	none	Score	117
Exons	748..972, 979..1113		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	838	End	1194
GI	none	Score	392
Exons	838..1194, 873..1184, 925..1194		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o3.tm	Method	TBLASTX:Maize
Start	1221	End	1605
GI	none	Score	362
Exons	1221..1586, 1222..1605		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o2.tw	Method	TBLASTX:Wheat
Start	1279	End	1703
GI	none	Score	487
Exons	1279..1698, 1284..1703		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	1357	End	1728
GI	none	Score	270
Exons	1357..1728, 1374..1517		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o5.tw	Method	TBLASTX:Wheat
Start	2329	End	2787
GI	none	Score	234
Exons	2329..2577, 2353..2577, 2418..2591, 2647..2787, 2647..2784, 2649..2786		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o2.ts	Method	TBLASTX:Soybean
Start	2476	End	3042
GI	5666795	Score	68
Exons	2476..2574, 2650..2787, 2842..3042		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o7.tw	Method	TBLASTX:Wheat
Start	2790	End	3102
GI	none	Score	190
Exons	2790..3101, 2842..3102		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20232	Strand	-
Start	4813	End	4944
Name	OJ991020_05.0222.C5.o2.gs	Method	GENSCAN
Start	4813	End	4944
GI	none	Score	.49
Exons	4813..4944		

Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20233	Strand	
Start	6444	End	6974
Name	OJ991020_05.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	6444	End	6779
GI	none	Score	363

Exons	6444..6779, 6473..6766		
Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20233	Strand	
Start	6444	End	6974
Name	OJ991020_05.0222.C5.o4.tw	Method	TBLASTX:Wheat
Start	6593	End	6974
GI	none	Score	375
Exons	6593..6649, 6594..6974, 6695..6943		
Seq. No.	9448	Seq. ID	OJ991020_05.0222.C5
Gene No.	20234	Strand	
Start	6975	End	7223
Name	OJ991020_05.0222.C5.o6.tw	Method	TBLASTX:Wheat
Start	6975	End	7223
GI	none	Score	240
Exons	6975..7223, 6975..7217, 6980..7219		
Seq. No.	9449	Seq. ID	OJ991020_05.0222.C6
Gene No.	20235	Strand	-
Start	590	End	3159
Name	OJ991020_05.0222.C6.o1.gs	Method	GENSCAN
Start	590	End	3090
GI	none	Score	.89
Exons	590..2471, 2564..3090		
Seq. No.	9449	Seq. ID	OJ991020_05.0222.C6
Gene No.	20235	Strand	-
Start	590	End	3159
Name	OJ991020_05.0222.C6.o1.np	Method	AAT/NAP
Start	593	End	3159
GI	6907089	Score	3013
Exons	593..2471, 2564..3159		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	9450	Seq. ID	OJ991020_05.0222.C7
Gene No.	20236	Strand	+
Start	1953	End	2138
Name	OJ991020_05.0222.C7.o1.gs	Method	GENSCAN
Start	1953	End	2129
GI	none	Score	.73
Exons	1953..2129		
Seq. No.	9450	Seq. ID	OJ991020_05.0222.C7
Gene No.	20236	Strand	+
Start	1953	End	2138
Name	OJ991020_05.0222.C7.o1.np	Method	AAT/NAP
Start	1980	End	2138
GI	6598346	Score	103
Exons	1980..2138		
GI Descrip.	(AC002336) unknown protein [Arabidopsis thaliana]		
Seq. No.	9451	Seq. ID	OJ991020_05.0222.C8
Gene No.	20237	Strand	+
Start	559	End	7623
Name	OJ991020_05.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	20	End	5360

GI	none	Score	65
Exons	20..70, 4014..4061, 4420..4623, 4693..5169, 4695..4871, 4938..5168, 5259..5360		

Seq. No.	9451	Seq. ID	OJ991020_05.0222.C8
Gene No.	20237	Strand	+
Start	559	End	7623
Name	OJ991020_05.0222.C8.o1.gs	Method	GENSCAN
Start	559	End	7623
GI	none	Score	.41
Exons	559..680, 3316..3854, 3869..3953, 3970..4119, 4160..4278, 4421..5114, 5261..5403, 5862..5929, 5963..6133, 6195..6309, 6953..7007, 7497..7623		

Seq. No.	9451	Seq. ID	OJ991020_05.0222.C8
Gene No.	20237	Strand	+
Start	559	End	7623
Name	OJ991020_05.0222.C8.o1.np	Method	AAT/NAP
Start	3496	End	5387
GI	6598346	Score	745
Exons	3496..3683, 3734..3854, 3970..4064, 4420..4635, 4675..5176, 5269..5387		
GI Descrip.	(AC002336) unknown protein [Arabidopsis thaliana]		

Seq. No.	9451	Seq. ID	OJ991020_05.0222.C8
Gene No.	20237	Strand	+
Start	559	End	7623
Name	OJ991020_05.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	3609	End	5348
GI	none	Score	46
Exons	3609..3644, 3743..3859, 3969..4058, 4419..4616, 4420..4623, 4693..4920, 4963..5169, 5259..5348		

Seq. No.	9451	Seq. ID	OJ991020_05.0222.C8
Gene No.	20237	Strand	+
Start	559	End	7623
Name	OJ991020_05.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	3609	End	5366
GI	none	Score	43
Exons	3609..3644, 3740..3892, 3969..4058, 4419..4616, 4420..4623, 4693..5238, 4716..4871, 5259..5366		

Seq. No.	9451	Seq. ID	OJ991020_05.0222.C8
Gene No.	20237	Strand	+
Start	559	End	7623
Name	OJ991020_05.0222.C8.o2.gp	Method	AAT/GAP
Start	3970	End	4548
GI	2280832	Score	511
Exons	3970..4119, 4421..4548		

Seq. No.	9452	Seq. ID	OJ991020_05.0222.C9
Gene No.	20238	Strand	+
Start	88	End	2195
Name	OJ991020_05.0222.C9.o1.gs	Method	GENSCAN
Start	88	End	1777
GI	none	Score	.75
Exons	88..276, 392..470, 1658..1777		

Seq. No.	9452	Seq. ID	OJ991020_05.0222.C9
Gene No.	20238	Strand	+
Start	88	End	2195
Name	OJ991020_05.0222.C9.o1.np	Method	AAT/NAP
Start	392	End	2195
GI	3395431	Score	237
Exons	392..470, 654..752, 1608..1719, 1933..2041, 2088..2195		
GI Descrip.	(AC004683) unknown protein [Arabidopsis thaliana]		

Seq. No.	9452	Seq. ID	OJ991020_05.0222.C9
Gene No.	20238	Strand	+
Start	88	End	2195
Name	OJ991020_05.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	1629	End	2085
GI	none	Score	54
Exons	1629..1658, 1630..1656, 1631..1660, 1631..1660, 1641..1718, 1656..1718, 1657..1719, 1660..1719, 1918..2073, 1926..2078, 1927..2085, 1932..2084		

Seq. No.	9453	Seq. ID	OJ991020_05.0222.C10
Gene No.	20239	Strand	+
Start	119	End	1230
Name	OJ991020_05.0222.C10.o1.gs	Method	GENSCAN
Start	119	End	1230
GI	none	Score	.93
Exons	119..346, 423..1230		

Seq. No.	9453	Seq. ID	OJ991020_05.0222.C10
Gene No.	20240	Strand	-
Start	1143	End	1436
Name	OJ991020_05.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	733	End	1300
GI	none	Score	87
Exons	733..822, 738..857, 840..926, 953..1015, 1009..1230, 1017..1229, 1031..1237, 1046..1231, 1277..1300		

Seq. No.	9453	Seq. ID	OJ991020_05.0222.C10
Gene No.	20240	Strand	-
Start	1143	End	1436
Name	OJ991020_05.0222.C10.o1.gp	Method	AAT/GAP
Start	1143	End	1436
GI	none	Score	572
Exons	1143..1436		

Seq. No.	9454	Seq. ID	OJ991020_05.0222.C11
Gene No.	20241	Strand	+
Start	512	End	3673
Name	OJ991020_05.0222.C11.o1.gs	Method	GENSCAN
Start	512	End	3673
GI	none	Score	.81
Exons	512..940, 2552..3673		

Seq. No.	9454	Seq. ID	OJ991020_05.0222.C11
Gene No.	20241	Strand	+
Start	512	End	3673
Name	OJ991020_05.0222.C11.o1.np	Method	AAT/NAP

Start	518	End	3286
GI	6580153	Score	335
Exons	518..940, 2552..3286		
GI Descrip.	(AL132968) putative protein [Arabidopsis thaliana]		

Seq. No.	9454	Seq. ID	OJ991020_05.0222.C11
Gene No.	20242	Strand	+
Start	7571	End	8287
Name	OJ991020_05.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	7563	End	7891
GI	none	Score	415
Exons	7563..7694, 7570..7785, 7592..7891, 7721..7891		

Seq. No.	9454	Seq. ID	OJ991020_05.0222.C11
Gene No.	20242	Strand	+
Start	7571	End	8287
Name	OJ991020_05.0222.C11.o1.gp	Method	AAT/GAP
Start	7569	End	8287
GI	48805_1.R1084	Score	1349
Exons	7569..8287		
GI Descrip.	'2347195 2.0e-27 (AC002338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9454	Seq. ID	OJ991020_05.0222.C11
Gene No.	20242	Strand	+
Start	7571	End	8287
Name	OJ991020_05.0222.C11.o1.tc	Method	TBLASTX:Cress
Start	7570	End	8035
GI	none	Score	145
Exons	7570..7782, 7595..7783, 7871..8035		

Seq. No.	9454	Seq. ID	OJ991020_05.0222.C11
Gene No.	20242	Strand	+
Start	7571	End	8287
Name	OJ991020_05.0222.C11.o3.gs	Method	GENSCAN
Start	7571	End	8229
GI	none	Score	.72
Exons	7571..8122, 8140..8229		

Seq. No.	9454	Seq. ID	OJ991020_05.0222.C11
Gene No.	20242	Strand	+
Start	7571	End	8287
Name	OJ991020_05.0222.C11.o2.np	Method	AAT/NAP
Start	7574	End	8287
GI	2347195	Score	405
Exons	7574..7845, 7894..8287		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9454	Seq. ID	OJ991020_05.0222.C11
Gene No.	20242	Strand	+
Start	7571	End	8287
Name	OJ991020_05.0222.C11.o1.ts	Method	TBLASTX:Soybean
Start	7595	End	8035
GI	none	Score	163
Exons	7595..7789, 7865..8035		

Seq. No.	9455	Seq. ID	OJ991020_05.0222.C12

Gene No.	20243	Strand	+
Start	1	End	2552
Name	OJ991020_05.0222.C12.o1.gp	Method	AAT/GAP
Start	1	End	703
GI	2427409	Score	606
Exons	1..200, 539..703		
GI Descrip.	2347195 1.0e-15 (AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9455	Seq. ID	OJ991020_05.0222.C12
Gene No.	20243	Strand	+
Start	1	End	2552
Name	OJ991020_05.0222.C12.o1.np	Method	AAT/NAP
Start	1	End	962
GI	2347195	Score	487
Exons	1..200, 539..962		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9455	Seq. ID	OJ991020_05.0222.C12
Gene No.	20243	Strand	+
Start	1	End	2552
Name	OJ991020_05.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	2	End	201
GI	none	Score	116
Exons	2..115, 2..115, 3..116, 15..116, 111..200, 118..201, 120..200, 163..201		

Seq. No.	9455	Seq. ID	OJ991020_05.0222.C12
Gene No.	20243	Strand	+
Start	1	End	2552
Name	OJ991020_05.0222.C12.o1.gs	Method	GENSCAN
Start	90	End	2552
GI	none	Score	.52
Exons	90..200, 539..962, 1397..1494, 2109..2188, 2453..2552		

Seq. No.	9455	Seq. ID	OJ991020_05.0222.C12
Gene No.	20243	Strand	+
Start	1	End	2552
Name	OJ991020_05.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	531	End	761
GI	none	Score	325
Exons	531..761, 536..760		

Seq. No.	9455	Seq. ID	OJ991020_05.0222.C12
Gene No.	20243	Strand	+
Start	1	End	2552
Name	OJ991020_05.0222.C12.o2.gp	Method	AAT/GAP
Start	898	End	1392
GI	12973_1.R1084	Score	803
Exons	898..1392		
GI Descrip.	'2347195 1.0e-15 (AC002338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9456	Seq. ID	OJ991020_05.0222.C13
Gene No.	20244	Strand	+
Start	218	End	606
Name	OJ991020_05.0222.C13.o1.gs	Method	GENSCAN

Start	218	End	606
GI	none	Score	.45
Exons	218..320, 527..606		

Seq. No.	9456	Seq. ID	OJ991020_05.0222.C13
Gene No.	20245	Strand	+
Start	1902	End	1979
Name	OJ991020_05.0222.C13.o1.np	Method	AAT/NAP
Start	1902	End	1979
GI	6630699	Score	84
Exons	1902..1979		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	9456	Seq. ID	OJ991020_05.0222.C13
Gene No.	20246	Strand	+
Start	2109	End	2533
Name	OJ991020_05.0222.C13.o2.np	Method	AAT/NAP
Start	2109	End	2533
GI	6539570	Score	218
Exons	2109..2309, 2467..2533		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	9456	Seq. ID	OJ991020_05.0222.C13
Gene No.	20247	Strand	-
Start	284	End	4115
Name	OJ991020_05.0222.C13.o3.np	Method	AAT/NAP
Start	284	End	4115
GI	5042454	Score	118
Exons	284..392, 3835..3971, 4028..4115		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9456	Seq. ID	OJ991020_05.0222.C13
Gene No.	20247	Strand	-
Start	284	End	4115
Name	OJ991020_05.0222.C13.o1.gp	Method	AAT/GAP
Start	1896	End	2322
GI	LIB3479-006-Q6-K1-B11	Score	669
Exons	1896..2322		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	9456	Seq. ID	OJ991020_05.0222.C13
Gene No.	20247	Strand	-
Start	284	End	4115
Name	OJ991020_05.0222.C13.o2.gs	Method	GENSCAN
Start	2116	End	3198
GI	none	Score	.63
Exons	2116..2229, 3065..3198		

Seq. No.	9457	Seq. ID	OJ991020_05.0222.C14
Gene No.	20248	Strand	+
Start	545	End	1095
Name	OJ991020_05.0222.C14.o1.gs	Method	GENSCAN
Start	545	End	1032
GI	none	Score	.74

Exons	545..871, 890..1032		
Seq. No.	9457	Seq. ID	OJ991020_05.0222.C14
Gene No.	20248	Strand	+
Start	545	End	1095
Name	OJ991020_05.0222.C14.o1.np	Method	AAT/NAP
Start	545	End	1095
GI	6907089	Score	919
Exons	545..1095		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	9458	Seq. ID	OJ991020_05.0222.C15
Gene No.	20249	Strand	+
Start	627	End	1035
Name	OJ991020_05.0222.C15.o1.gs	Method	GENSCAN
Start	627	End	1035
GI	none	Score	.72
Exons	627..844, 850..946, 1003..1035		
Seq. No.	9459	Seq. ID	OJ991020_05.0222.C16
Gene No.	20250	Strand	+
Start	71	End	1716
Name	OJ991020_05.0222.C16.o1.gs	Method	GENSCAN
Start	71	End	1716
GI	none	Score	.51
Exons	71..119, 623..1716		
Seq. No.	9460	Seq. ID	OJ991020_05.0222.C17
Gene No.	20251	Strand	+
Start	255	End	969
Name	OJ991020_05.0222.C17.o1.gs	Method	GENSCAN
Start	255	End	969
GI	none	Score	.84
Exons	255..348, 830..969		
Seq. No.	9460	Seq. ID	OJ991020_05.0222.C17
Gene No.	20252	Strand	+
Start	3741	End	7312
Name	OJ991020_05.0222.C17.o1.np	Method	AAT/NAP
Start	3741	End	7312
GI	6456162	Score	82
Exons	3741..3798, 5056..5187, 7271..7312		
GI Descrip.	(AC011622) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	9460	Seq. ID	OJ991020_05.0222.C17
Gene No.	20253	Strand	+
Start	7308	End	8399
Name	OJ991020_05.0222.C17.o2.np	Method	AAT/NAP
Start	7308	End	8399
GI	6815053	Score	727
Exons	7308..7476, 7960..8114, 8164..8399		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	9460	Seq. ID	OJ991020_05.0222.C17
Gene No.	20254	Strand	-
Start	4293	End	9882
Name	OJ991020_05.0222.C17.o2.gs	Method	GENSCAN

Start	4293	End	9882
GI	none	Score	.51
Exons	4293..4523, 5070..5348, 5483..5715, 6588..6643, 7548..7613, 7816..7934, 9727..9882		

Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20255	Strand	+
Start	28	End	1776
Name	OJ991020_05.0222.C18.o1.gs	Method	GENSCAN
Start	28	End	1371
GI	none	Score	.99
Exons	28..1371		

Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20255	Strand	+
Start	28	End	1776
Name	OJ991020_05.0222.C18.o1.np	Method	AAT/NAP
Start	139	End	1776
GI	6523054	Score	478
Exons	139..1266, 1666..1776		
GI Descrip.	(AL133314) arm repeat containing protein homolog [Arabidopsis thaliana]		

Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20255	Strand	+
Start	28	End	1776
Name	OJ991020_05.0222.C18.o1.gp	Method	AAT/GAP
Start	281	End	692
GI	5005341	Score	817
Exons	281..692		
GI Descrip.	2462822 4.0e-16 (AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20255	Strand	+
Start	28	End	1776
Name	OJ991020_05.0222.C18.o2.gp	Method	AAT/GAP
Start	1062	End	1658
GI	15819_1.R1084	Score	1159
Exons	1062..1658		
GI Descrip.	'2462822 4.0e-16 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	453
GI	none	Score	121
Exons	1..81, 9..80, 16..87, 109..372, 118..453, 156..452		

Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o2.tw	Method	TBLASTX:Wheat
Start	25	End	1874
GI	none	Score	156

Exons	25..153, 25..120, 104..136, 110..190, 127..330, 130..330, 156..332, 1779..1874		
Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o1.ts	Method	TBLASTX:Soybean
Start	136	End	990
GI	none	Score	247
Exons	136..366, 156..362, 484..693, 550..699, 676..744, 838..990		
Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o1.tc	Method	TBLASTX:Cress
Start	145	End	366
GI	none	Score	251
Exons	145..366, 156..365		
Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o1.tw	Method	TBLASTX:Wheat
Start	333	End	752
GI	none	Score	495
Exons	333..752, 334..750		
Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o3.tm	Method	TBLASTX:Maize
Start	463	End	774
GI	none	Score	58
Exons	463..720, 519..773, 520..774		
Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o2.tm	Method	TBLASTX:Maize
Start	774	End	1179
GI	none	Score	204
Exons	774..872, 775..1179, 782..961, 799..1179		
Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o2.ts	Method	TBLASTX:Soybean
Start	1036	End	1341
GI	none	Score	182
Exons	1036..1341, 1050..1193		
Seq. No.	9461	Seq. ID	OJ991020_05.0222.C18
Gene No.	20256	Strand	-
Start	1547	End	2076
Name	OJ991020_05.0222.C18.o2.gs	Method	GENSCAN
Start	1547	End	2076
GI	none	Score	.72

Exons	1547..1723, 1729..2076		
Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20257	Strand	+
Start	197	End	3739
Name	OJ991020_05.0222.C19.o1.gs	Method	GENSCAN
Start	197	End	3739
GI	none	Score	.4
Exons	197..597, 599..679, 3191..3250, 3316..3408, 3648..3739		
Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20258	Strand	+
Start	6197	End	7510
Name	OJ991020_05.0222.C19.o3.gs	Method	GENSCAN
Start	6197	End	7510
GI	none	Score	.61
Exons	6197..7510		
Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20258	Strand	+
Start	6197	End	7510
Name	OJ991020_05.0222.C19.o2.np	Method	AAT/NAP
Start	6314	End	7504
GI	2583128	Score	502
Exons	6314..7504		
GI Descrip.	(AC002387) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20259	Strand	-
Start	4149	End	5432
Name	OJ991020_05.0222.C19.o1.np	Method	AAT/NAP
Start	4115	End	4300
GI	4185133	Score	69
Exons	4115..4300		
GI Descrip.	(AC005724) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20259	Strand	-
Start	4149	End	5432
Name	OJ991020_05.0222.C19.o2.gs	Method	GENSCAN
Start	4149	End	5432
GI	none	Score	.83
Exons	4149..4630, 5303..5432		
Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	6434	End	7494
GI	none	Score	103
Exons	6434..6595, 6827..7057, 7076..7261, 7088..7402, 7102..7416, 7165..7416, 7405..7494, 7406..7486		
Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304

Name	OJ991020_05.0222.C19.o3.ts	Method	TBLASTX:Soybean
Start	6434	End	7024
GI	none	Score	107
Exons	6434..6607, 6638..6775, 6827..7024, 6866..6931		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o2.tc	Method	TBLASTX:Cress
Start	7076	End	7372
GI	none	Score	195
Exons	7076..7372, 7114..7317, 7301..7372		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o2.ts	Method	TBLASTX:Soybean
Start	7088	End	7464
GI	none	Score	247
Exons	7088..7327, 7088..7261, 7114..7317, 7328..7381, 7330..7416, 7405..7464		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o2.tw	Method	TBLASTX:Wheat
Start	7225	End	7494
GI	none	Score	130
Exons	7225..7380, 7226..7381, 7391..7492, 7405..7494		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o1.gp	Method	AAT/GAP
Start	7775	End	8705
GI	4850_1.R1084	Score	1295
Exons	7775..8061, 8175..8238, 8373..8705		
GI Descrip.	'499099 2.0e-27 (U09942) beta-galactosidase alpha-peptide [Cloning vector pDB31]'		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o1.ts	Method	TBLASTX:Soybean
Start	7874	End	8525
GI	none	Score	136
Exons	7874..8062, 7885..8079, 7890..8027, 8156..8239, 8158..8241, 8373..8525, 8374..8499		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o1.tc	Method	TBLASTX:Cress
Start	7892	End	8483
GI	none	Score	112
Exons	7892..8062, 7893..8027, 7999..8067, 8156..8239, 8158..8241, 8373..8483, 8374..8481		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o4.gs	Method	GENSCAN
Start	7892	End	11304
GI	none	Score	.5
Exons	7892..8061, 8175..8238, 8373..8565, 9472..9638, 9922..10097, 10519..10640, 10771..11130, 11276..11304		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20260	Strand	-
Start	7775	End	11304
Name	OJ991020_05.0222.C19.o2.tm	Method	TBLASTX:Maize
Start	7968	End	8663
GI	none	Score	90
Exons	7968..8027, 7968..8024, 7969..8067, 7970..8062, 8156..8239, 8158..8241, 8158..8241, 8181..8243, 8373..8492, 8373..8516, 8375..8503, 8511..8567, 8592..8651, 8593..8655, 8595..8663		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20261	Strand	
Start	11711	End	12113
Name	OJ991020_05.0222.C19.o3.tm	Method	TBLASTX:Maize
Start	11711	End	12113
GI	none	Score	203
Exons	11711..11806, 11715..12017, 11715..11909, 12054..12113		

Seq. No.	9462	Seq. ID	OJ991020_05.0222.C19
Gene No.	20262	Strand	
Start	12054	End	12476
Name	OJ991020_05.0222.C19.o1.tw	Method	TBLASTX:Wheat
Start	12054	End	12476
GI	none	Score	205
Exons	12054..12476		

Seq. No.	9463	Seq. ID	OJ991020_05.0222.C20
Gene No.	20263	Strand	-
Start	558	End	1775
Name	OJ991020_05.0222.C20.o1.gs	Method	GENSCAN
Start	558	End	1775
GI	none	Score	.67
Exons	558..723, 1076..1269, 1752..1775		

Seq. No.	9464	Seq. ID	OJ991020_05.0222.C21
Gene No.	20264	Strand	+
Start	1	End	658
Name	OJ991020_05.0222.C21.o1.np	Method	AAT/NAP
Start	1	End	584
GI	1946376	Score	234
Exons	1..75, 366..584		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		

Seq. No.	9464	Seq. ID	OJ991020_05.0222.C21
Gene No.	20264	Strand	+
Start	1	End	658
Name	OJ991020_05.0222.C21.o1.gs	Method	GENSCAN

Start	45	End	658
GI	none	Score	.78
Exons	45..182, 228..658		

Seq. No.	9464	Seq. ID	OJ991020_05.0222.C21
Gene No.	20265	Strand	-
Start	3981	End	6384
Name	OJ991020_05.0222.C21.o1.tc	Method	TBLASTX:Cress
Start	377	End	584
GI	none	Score	241
Exons	377..463, 378..584		

Seq. No.	9464	Seq. ID	OJ991020_05.0222.C21
Gene No.	20265	Strand	-
Start	3981	End	6384
Name	OJ991020_05.0222.C21.o2.gs	Method	GENSCAN
Start	3981	End	6384
GI	none	Score	.49
Exons	3981..4094, 5237..5334, 5411..5457, 6154..6384		

Seq. No.	9465	Seq. ID	OJ991020_05.0222.C22
Gene No.	20266	Strand	-
Start	1	End	1263
Name	OJ991020_05.0222.C22.o1.np	Method	AAT/NAP
Start	1	End	1263
GI	5441880	Score	1649
Exons	1..22, 306..1263		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9465	Seq. ID	OJ991020_05.0222.C22
Gene No.	20266	Strand	-
Start	1	End	1263
Name	OJ991020_05.0222.C22.o1.gs	Method	GENSCAN
Start	46	End	1204
GI	none	Score	.85
Exons	46..1204		

Seq. No.	9465	Seq. ID	OJ991020_05.0222.C22
Gene No.	20266	Strand	-
Start	1	End	1263
Name	OJ991020_05.0222.C22.o1.tw	Method	TBLASTX:Wheat
Start	80	End	460
GI	none	Score	79
Exons	80..256, 110..256, 141..260, 254..451, 266..460		

Seq. No.	9465	Seq. ID	OJ991020_05.0222.C22
Gene No.	20266	Strand	-
Start	1	End	1263
Name	OJ991020_05.0222.C22.o1.tm	Method	TBLASTX:Maize
Start	158	End	754
GI	none	Score	151
Exons	158..229, 293..592, 354..575, 626..754, 648..746		

Seq. No.	9465	Seq. ID	OJ991020_05.0222.C22
Gene No.	20266	Strand	-

Start	1	End	1263
Name	OJ991020_05.0222.C22.o1.gp	Method	AAT/GAP
Start	280	End	711
GI	5701669	Score	841
Exons	280..711		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o1.np	Method	AAT/NAP
Start	73	End	4572
GI	4680179	Score	5416
Exons	73..1136, 1170..4572		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o9.tw	Method	TBLASTX:Wheat
Start	298	End	497
GI	none	Score	211
Exons	298..495, 300..497		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o8.tw	Method	TBLASTX:Wheat
Start	531	End	881
GI	none	Score	249
Exons	531..578, 566..724, 567..881		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o6.tm	Method	TBLASTX:Maize
Start	570	End	836
GI	none	Score	197
Exons	570..836, 575..661		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o7.tm	Method	TBLASTX:Maize
Start	1161	End	1516
GI	none	Score	189
Exons	1161..1514, 1253..1330, 1424..1516		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o7.tw	Method	TBLASTX:Wheat
Start	1197	End	1619
GI	none	Score	166
Exons	1197..1406, 1253..1405, 1451..1564, 1452..1619		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o4.tw	Method	TBLASTX:Wheat
Start	1730	End	2217
GI	none	Score	52
Exons	1730..1885, 1734..1784, 1831..2217, 1839..2174		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o5.tm	Method	TBLASTX:Maize
Start	1745	End	2036
GI	none	Score	52
Exons	1745..1834, 1746..1787, 1843..2034, 1845..2036		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o2.tc	Method	TBLASTX:Cress
Start	1864	End	2181
GI	none	Score	180
Exons	1864..2181		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o3.tm	Method	TBLASTX:Maize
Start	2104	End	2604
GI	none	Score	167
Exons	2104..2283, 2112..2258, 2290..2604, 2430..2483, 2511..2561		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o1.ts	Method	TBLASTX:Soybean
Start	2158	End	2553
GI	none	Score	57
Exons	2158..2190, 2160..2189, 2194..2553, 2196..2234, 2262..2552		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o5.tw	Method	TBLASTX:Wheat
Start	2266	End	2568
GI	none	Score	382
Exons	2266..2568, 2268..2552		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o3.tw	Method	TBLASTX:Wheat
Start	2569	End	2991
GI	none	Score	598
Exons	2569..2991, 2601..2990		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o3.ts	Method	TBLASTX:Soybean
Start	2575	End	2820
GI	none	Score	207
Exons	2575..2820, 2592..2819		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o2.tm	Method	TBLASTX:Maize
Start	2640	End	3003
GI	none	Score	482
Exons	2640..2990, 2641..2994, 2641..3003		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o2.tw	Method	TBLASTX:Wheat
Start	2994	End	3561
GI	none	Score	646
Exons	2994..3557, 3025..3561, 3106..3561		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o1.tc	Method	TBLASTX:Cress
Start	3268	End	3585
GI	none	Score	94
Exons	3268..3441, 3442..3585, 3444..3584		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o2.ts	Method	TBLASTX:Soybean
Start	3349	End	3609
GI	none	Score	297
Exons	3349..3609, 3354..3608		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o4.tm	Method	TBLASTX:Maize
Start	3408	End	3699
GI	none	Score	375
Exons	3408..3695, 3409..3699		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o1.tw	Method	TBLASTX:Wheat
Start	3568	End	4194
GI	none	Score	703
Exons	3568..4194, 3624..4082, 4069..4191		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24

Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o1.tm	Method	TBLASTX:Maize
Start	3748	End	4347
GI	none	Score	231
Exons	3748..3909, 3756..3902, 3906..4331, 3907..4347, 4069..4332		

Seq. No.	9466	Seq. ID	OJ991020_05.0222.C24
Gene No.	20267	Strand	+
Start	73	End	4572
Name	OJ991020_05.0222.C24.o6.tw	Method	TBLASTX:Wheat
Start	4194	End	4527
GI	none	Score	326
Exons	4194..4463, 4195..4527, 4198..4506		

Seq. No.	9467	Seq. ID	OJ991020_05.0222.C26
Gene No.	20268	Strand	+
Start	156	End	278
Name	OJ991020_05.0222.C26.o1.gs	Method	GENSCAN
Start	156	End	278
GI	none	Score	.67
Exons	156..278		

Seq. No.	9468	Seq. ID	OJ991020_05.0222.C28
Gene No.	20269	Strand	+
Start	1	End	651
Name	OJ991020_05.0222.C28.o1.np	Method	AAT/NAP
Start	1	End	651
GI	5441880	Score	246
Exons	1..162, 617..651		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9468	Seq. ID	OJ991020_05.0222.C28
Gene No.	20269	Strand	+
Start	1	End	651
Name	OJ991020_05.0222.C28.o1.gs	Method	GENSCAN
Start	85	End	282
GI	none	Score	.78
Exons	85..282		

Seq. No.	9469	Seq. ID	OJ991020_05.0222.C29
Gene No.	20270	Strand	+
Start	1	End	3890
Name	OJ991020_05.0222.C29.o1.np	Method	AAT/NAP
Start	1	End	2555
GI	5441880	Score	2207
Exons	1..112, 218..551, 860..1158, 1227..1485, 1730..1827, 2074..2205, 2321..2555		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9469	Seq. ID	OJ991020_05.0222.C29
Gene No.	20270	Strand	+
Start	1	End	3890

Name	OJ991020_05.0222.C29.o1.gs	Method	GENSCAN
Start	185	End	3890
GI	none	Score	.66
Exons	185..293, 363..768, 860..1111, 1279..1485, 1578..1760, 1918..1973, 2074..2205, 2269..2316, 2321..2438, 2800..3000, 3768..3890		

Seq. No.	9469	Seq. ID	OJ991020_05.0222.C29
Gene No.	20270	Strand	+
Start	1	End	3890
Name	OJ991020_05.0222.C29.o1.gp	Method	AAT/GAP
Start	986	End	1477
GI	LIB3475-007-P1-K1-G8	Score	802
Exons	986..1158, 1227..1477		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	9469	Seq. ID	OJ991020_05.0222.C29
Gene No.	20271	Strand	-
Start	3439	End	3555
Name	OJ991020_05.0222.C29.o2.gp	Method	AAT/GAP
Start	3439	End	3555
GI	LIB3431-045-P1-N1-A10	Score	197
Exons	3439..3555		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	9469	Seq. ID	OJ991020_05.0222.C29
Gene No.	20272	Strand	-
Start	4074	End	6782
Name	OJ991020_05.0222.C29.o2.np	Method	AAT/NAP
Start	4074	End	6782
GI	5734621	Score	69
Exons	4074..4093, 6639..6782		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20273	Strand	+
Start	2860	End	3337
Name	OJ991020_05.0222.C31.o1.gp	Method	AAT/GAP
Start	2860	End	3337
GI	none	Score	872
Exons	2860..3337		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20274	Strand	+
Start	6761	End	8140
Name	OJ991020_05.0222.C31.o1.np	Method	AAT/NAP
Start	6761	End	8140
GI	3256035	Score	1860
Exons	6761..8140		
GI Descrip.	(Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		